EVALUATION OF (1-3)-B-D-GLUCAN FOR DIAGNOSIS OF INVASIVE FUNGAL INFECTIONS

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Dedicated

To

My Brother

Prabhnoor

Singh

Sandhar

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ABSTRACT

INTRODUCTION: Invasive fungal infections have recently emerged as an important cause of morbidity and mortality in patients admitted in hospital. Serum biomarkers offer advantage over the traditional methods for early diagnosis and better clinical outcome of the patients. Culture has been considered as gold standard since long, but it has disadvantage of being time consuming. Therefore the biomarkers 1-3 Beta-D Glucan assay and galactomannan along with culture findings and clinical correlation for best results.

OBJECTIVE: To evaluate role of (1-3)-Beta-D glucan assay in invasive fungal infections. To correlate (1-3)-Beta-D glucan assay with other microbiological tests.

MATERIALS & METHODS: This prospective study was conducted in the Department of Microbiology, Dayanand Medical College and Hospital, Ludhiana. Over a period of one year (1st January 2019 to 31st December), All admitted patients above 18 years of age were included in our study. All OPD patients and admitted patients below 18 years of age were excluded from the study. Total of 862 cases with requisition of (1-3)-Beta-D-glucan received in Microbiology lab were enrolled in our study .Statistical analysis was performed using Chi-square on SPSS version 21.0.

RESULTS: Total of 862 samples received, 455 samples were positive for 1-3 Beta-D- glucan assay. Maximum number of cases were from the age group of 61 to 70 years corresponding to 25.6%. Out of total 862 patients enrolled, 63.3% were males and 36.7% patients were females. 613 were admitted in ICUs and 249 were admitted in wards. Most common presentation was fever (38.2%), followed by cough (34.9%).Positivity of BDG came out to be 52.8%. Out of 455 total patients, 359(78.9%) were discharged and 38(8.4%) succumbed to death. Candida tropicalis is the most common isolate.

CONCLUSION: Positivity of (1-3)-Beta-D glucan assay was high in ICU patients as our center is a tertiary care hospital and more critical patients are admitted.25.3% were positive in both Galactomannan and (1-3)-Beta-D glucan assay. Non albicans Candida was most common isolate. Various variables like use of piperacillin-tazobactam and dialysis were associated with false positive results. Therefore we should correlate our findings of the BDG assay with all the affecting variables. Serum biomarkers should be used for the early diagnosis and timely treatment to save the lives of critically ill patients.

KEYWORDS: Invasive fungal infections, (1-3)-Beta-D glucan, Biomarkers, Candida.

ABBREVATIONS

BAL	Bronchoalveolar lavage
BDG	(1-3)-Beta-D-Glucan
BSI	Bloodstream infections
COPD	Chronic obstructive pulmonary disease
CT	Computed tomography
DAMA	Discharge against medical advice
EIA	Enzyme immunoassay
ET	Endotracheal secretions
GM	Galactomannan
HIV	Human immunodeficiency virus
HSCT	Haematopoeitic stem cell transplant
IA	Invasive aspergillosis
IC	Invasive Candidiasis
ICU	Intensive care units
IFI	Invasive fungal infections
IMF	International monetary fund
KOH	Pottasium hydroxide
LCB	Lactophenol cotton blue
NPV	Negative predictive value
PCR	Polymerase chain reaction
PPV	Positive predictive value
PTZ	Piperacillin-tazobactam
ROC	Receiver operating characteristic
SDA	Sabouraud’s dextrose agar
SOT	Solid organ transplant
Spp.	Species
TB	Tuberculosis

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INTRODUCTION

Invasive fungal infections are increasing worldwide and major cause of concern is high mortality associated with these infections particularly in immunocompromised population. Causes of infection are multi-factorial and infections in patients are either community acquired or health care associated infections. Studies have shown that Various risk factors are associated with invasive fungal infections include neutropenia <500 neutrophils/ml, chronic use of corticosteroids, prolonged (>7 days) stay in intensive care, HIV infection, hematological malignancies, bone marrow transplantation, solid organ transplantation, chemotherapy and the use of immunosuppressive agents. Other risk factors are malnutrition, severe burns and major surgery.[1, 2]

Fungi are eukaryotic organisms that depend on organic substrates for their growth.[3] As compared to animal cells, most fungi have thick and rigid cell walls which are composed of polysaccharides, including chitin, a polymer of N-acetyl glucosamine, fibrillar β-(1→3)- and β-(1→6)-glucans, superficial phosphomannoproteins and galactomannan. The cell wall in addition to providing mechanical strength and integrity also enables adherence to the host's epithelium. The inner cell membrane consists mainly of ergosterol.[4] Several pathogenic fungi can be distinguished by their virulence. Primary pathogenic fungi are able to infect immunocompetent patients, whereas opportunistic pathogens have a low virulence and thus infect the immunocompromised patients to cause a severe infection.[4]

The mechanisms of host defense against fungi are not yet totally understood but they seem to be quite similar to those against bacteria. The first barrier that protects the host against fungi are intact skins and mucosae. If fungi succeed to break through this barrier, neutrophils and macrophages will be activated in order to phagocytose the invaders and produce anti-fungal defensins.

Infections can be acquired by inhalation of spores (*Aspergillus, Histoplasma, Cryptococcus*), by inoculation (subcutaneous infections), through invasion of colonizers as in *Candida* spp., ingestion of food (gastrointestinal disease) Clinical manifestations vary from colonization to invasive diseases. According to the site of infection, fungal infections are classified as superficial, subcutaneous, cutaneous or systemic infections. Systemic infections caused by primary pathogenic fungi, including *Blastomyces*, *Histoplasma* and *Coccidioides* are endemic in parts of Central America. Paracoccidiodomyces endemic in Latin America. The predominant fungi responsible for these infections are *Candida* species (spp.) and *Aspergillus* spp, *Crypococcus* spp. and *Zygomycetes* spp, *Fusarium* spp, Dematiaceous fungi.[5]

Candida bloodstream infection (candidemia) or invasive candidiasis (IC) in Intensive Care Units (ICU) is associated with great mortality. *Candida spp* are fourth most frequently isolated pathogen in hospital acquired infections and 50% mortality has been reported. Common species of *Candida* causing infection include *C. albicans, C. tropicalis, C. stelletoides, C. krusei, C. parapsilosis, C. glabrata* etc. *Candida auris* is a novel emerging fungus first isolated from Japan in 2009, associated with high degree candidemia in critically ill patients. It has been reported as a cause of hospital outbreaks in ICU settings.[6]

Invasive pulmonary aspergillosis was first described in 1953. Invasive aspergillosis is the most serious presentation of aspergillosis and often fatal infection in immunocompromised patients.[7] Lung is the most common site of primary infection,can disseminate to any organ and central nervous system is the most common secondary site of invasive disease. Most common species causing disease is Aspergillus *fumigatus*. Other important species are *A. flavus, A. niger and A. terreus*. Mortality associated with IA is nearly 100% if not treated.[8]

Diagnosis of invasive fungal infection is not easy[9]. Generally, invasive fungal infection (IFI) is diagnosed by radiological examination,

histopathological examination and fungal culture. Radiological findings are nonspecific, however, fungal culture usually takes 2 to 4 days to obtain results, while histological examination is difficult to achieve in most cases and it is an invasive procedure. Therefore it is very important to make a rapid and accurate diagnosis of IFI with a simple and convenient method.

Several non culture methods have been described for diagnosis of IFI. These methods involve detection of fungal antigens or metabolites and molecular methods using PCR.[10,11] A double-sandwich enzyme immunoassay (EIA) that detects Aspergillus galactomannan is commercially available.[11] Various assays for the Candida metabolites mannan and enolase are available. However, these methods may require specialized equipment, and are not generally performed in most clinical laboratories.

(1-3)-β-D-glucan (BDG) is a component of the cell wall of fungi except *Cryptococcus neoformans* and Zygomycetes.[12,13] Its presence in the bloodstream correlates with IFI caused by *Candida* spp, *Aspergillus* species, *Pneumocystis jirovecii*, dimorphic fungus such as Coccidioides immitis, *Histoplasma capsulatum*, Sprothrix schenckii, *Fusarium* spp., *Trichosporon* species, *Saccharomyces cerevisiae*, *Acremonium* species, yeast phase of *Blastomyces dermatitidis.*[14] produces very less BDG not detectable by the assay. BDG assays are based on the activation of the horseshoe crab coagulation cascade.[15] Liposaccharide and BDG initiate the coagulation cascade by activating different serine protease zymogens, factors C and G. Liposaccharide specifically activates factor C, while BDG activates factor G. Limulus polyphemus amebocyte lysates are made specific for BDG by removal of factor C. The goal of this study is to assess the utility of the Fungitell.

Galactomannan (GM) is a carbohydrate molecule composed of a backbone of mannose residues with side chains of β 1–5 linked galactofuranosyl residues. Detection of this molecule was described by Stynen in 1992 using a monoclonal antibody (EB-A2) which specifically

binds to four galactofuranosyl residues.[16] The test is primarily used for monitoring immunosuppressed patients for development of galactomannan antigenemia, as an early marker for invasive aspergillosis.[16]

One of the approach to diagnose IFI is to examine appropriate specimens microscopically. Samples are examined as wet mount preparation with or without addition of 10% KOH, which helps in visualization of hyphal elements through partial digestion and clearing of proteinaceous material while leaving the fungal cell wall intact.

Presumptive identification can be made based on direct microscopic examination of material from clinical sample.[17,18] Fungal culture enables the diagnosis of IFI. The samples are inoculated on Sabouraud dextrose agar. The other medium used are Czapek-Dox Agar, malt extract agar and Potato dextrose agar. Potato dextrose agar is useful for stimulation of sporulation and for maintenance of stock cultures. The growth obtained is identified on the basis of colony morphology, pigment production and microscopic examination of lactophenol cotton blue (LCB) preparation.[19] Demonstrating tissue invasion by a filamentous fungus through histopathological examination of biopsy or autopsy material provides a diagnosis of proven invasive fungal infection.[20] PCR-based molecular diagnostic tests show a low positive but high negative predictive value, lack of standardization remains a major barrier for its widespread application.[21]

As high mortality associated with IFI and resistance to antifungals is increasing due to inappropriate treatment, therefore early and accurate diagnosis is need of the hour; conventional microbiological methods are often insufficient to ensure early diagnosis and monitoring of invasive infections. Clinical and radiological signs are usually insensitive or nonspecific. Though a diagnosis of IFI by tissue biopsy remains the gold standard for confirmed diagnosis of IFI but difficult to obtain the sample. Thus, the current focus is on detection of circulating antigens, particularly

galactomannan (GM) and BDG assay which are present in the cell walls of fungus which helps in rapid diagnosis and timely treatment studies have reported high sensitivity and specificity of GM assay and BDG assay in serum. Though sufficient data available on the role of BDG assay for diagnosis of IFI from western countries. Only few studies have been reported from India. Therefore this study was planned to determine the kit cutoffs based on Indian settings, with the objective of evaluation of 1-3 BDG assay for diagnosis of invasive fungal infections.

AIMS AND OBJECTIVES

1. To evaluate the role of (1-3)-β-D Glucan assay in invasive fungal infections.
2. To correlate (1-3)-β-D Glucan assay with other microbiological tests.

REVIEW OF LITERATURE

Fungal infections or mycoses are one of the serious infections and also one of the great neglected diseases of medical history. Work by Geoffrey[22] supports that fungi are amongst the oldest recognized cause of infection in human .Fungal infections are kind of neglected in history as compared to other infections. Thrush was one of the earlier studied fungal infection. These are becoming more frequent because of increasing number of at-risk populations and use of therapies that permit longer survival of these patients.[23]

Changes in fungal infections could be because of changing weather conditions, changing human habits, high risk behaviours and frequent travelling. Most high risk groups belong to patients on immunosuppressive drugs and chemotherapy, HIV-infected patients, premature infants, the elderly, Diabetics, on corticosteroids and patients undergoing major surgery. Fungal infections if not treated properly in these patients will lead to significant morbidity and poor quality of life.

Fungal infections are often classified as Opportunistic or Primary. Opportunistic infections tend to develop in immunocompromised hosts while primary infections can develop in in immunocompetent hosts with less co morbidities. Typical opportunistic systemic fungal infections (mycoses) include infections by *Candida* species, *Aspergillus*, *Zygomycetes* and *Fusarium* species. Common primary fungal infections are Coccidioidomycosis, Histoplasmosis, Blastomycosis and Paracoccidioidomycosis

Fungal infections can also be local or systemic .Local infections typically involve skin or mucous membranes. Systemic infections are often blood stream and are the major cause of morbidity and mortality.

So early diagnosis of these infections is critically important. Early diagnosis is a key factor in patient overcome.[24] Diagnosis of fungal infections is challenging because currently practised methods lacks sensitivity and specificity.

Common methods which are practised are direct microscopy histopathology and culture of specimens. These play important role in dia gnosis of infections like *C.neoformans*, *P.jirovecci*, *Candida* spp., *Aspergill us* spp., *H.capsulatum*, *Blastomyces dermatitidis*, *Coccidioides immitis*, *Sp orothrix schenckii*, *Paracoccidioides brasiliensis*, and the *Mucorales*. Direct isolation and demonstration of the causative agents is one of the best way to confirm the presence of invasive fungal infections.

Microscopy has found 3 essential uses in mycology. It helps in detection of fungi directly in clinical specimens, confirmation that a culture of an airborne fungi such as *Aspergillus* is the cause of the infection and is not a contaminant and to identify fungi based on morphological appearances. However issue is that many morphological features of fungi can overlap on histological and cytological specimen which is a limitation of this diagnostic technique .This issue of this diagnostic method has been addressed in multiple studies.[25,26,27,28,29,30]

Cultures when used are gold standard to diagnose a fungal infection and can detect any etiological agent precisely. In the diagnosis of invasive fungal infections culture is not a sensitive and specific test. Cultures are time consuming methods and it can take days for the results of some filamentous fungi. For the detection of invasive candidiasis blood cultures may miss infections in > 50 % cases and may take up to 24-72 hours to become positive.[31,32] Rate of positive blood culture is less in invasive aspergillosis and *H. capsulatum*.[33,34]

Serological tests are also used for diagnosis of fungal infection. Various serological tests available are immunodiffusion (ID), complement fixation (CF), and enzyme immunoassay (EIA). These tests are commonly used for testing coccidioidomycosis.[35] These can be used to diagnose invasive fungal infections when culture results are taking time, low specimen availability and in clinical situation where rapid results are required. False positive rates could be high and sensitivity and specificity is low.

Molecular identification methods are one of the diagnostic methods that do not need live fungal cells, these work best when pure cultures can be obtained from clinical specimen sent in the lab. These can be of help if the nucleic acid is available from patient specimens. Polymerase chain reaction is one of the molecular method which has great discriminatory power either for diagnosis as well in prognosis. Further discriminatory power can be added with the use of enzymes known as restriction endonucleases.

Till now several assays are available for diagnosis of various bacterial and viral infections which have been approved by FDA, but for fungal identification very few are currently available with us.

Polymerase chain reactions have an added advantage over the other assays that it can be performed in grossly contaminated specimen, now a days molecular ribosomal sequencing has been emerging as a major diagnostic tool for fungal identification and diagnosis.

A cell wall polysaccharide, (1-3)-β-D-glucan (BDG) is found in most fungi except that of the *Cryptococcus*, the *Zygomycetes*, and *Blastomyces dermatitidis*, which have complete absence of glucan or produce it in quantity very less likely to be detected. At least four BDG detection assays have been developed: Fungitell (Associates of Cape Code, Inc., East Falmouth, MA, USA), Wako (Wako Pure Chemical Industries, Ltd., Tokyo, Japan), Fungitec-G (Seikagaku, Kogyo, Tokyo, Japan), and Maruha (Maruha-Nichiro, Foods Inc., Tokyo, Japan), of which only the Fungitell assay is FDA approved for use on serum in the United States.

This assay is a chromogenic, quantitative enzyme immunoassay (EIA) designed to detect BDG (in pg/ml) by using purified, lysed horseshoe crab (Limulus polyphemus) amoebocytes.[36] It is a highly sensitive assay developed for detection of this cell wall component. It requires serum sample from the patient which is an added advantage as the serum sample is readily available from the patient without any requirement of culture or invasive procedure to be done.

In a study conducted by Senn L *et al*, It was observed that among critically ill patients who have proven or probable IFIs several patients will develop detectable BDG antigenemia before the onset of clinical symptoms or radiological signs or even before the cultures are reported as positive.[36] Therefore it can be of great help in early diagnosis and treatment in patients of invasive fungal infections especially candidiasis.

With the increased healthcare facilities and improved medical care there has been a tremendous improvement in the patient outcome too, but with prolonged hospital stays and immunocompromised status the incidence of fungal infections have been at rise. Invasive fungal infections take a toll over the bacterial infections in today's era. Therefore early and rapid diagnosis is really necessary and required for the patient outcome.

The clinical manifestations of the fungal infections vary from colonisation to invasive bronchopulmonary disease to disseminated fungal disease. Various factors that influence the virulence and pathogenicity of the microorganisms are enzymes including phospholipases, lipases and proteinases, dimorphic growth in some Candida species, melanin production, mannitol secretion, superoxide dismutase and toxin production.

A positive blood culture for Candida species still is the gold standard of diagnosing invasive candidasis. However, it may take several days for the detection and final diagnosis is established.[37]

Candida are unicellular budding yeast like cells capable of dividing asexually by binary fission. Some species, such as Candida albicans can switch from a unicellular state to a complex multicellular filamentous organism, this feature is developed to convey an opportunistic evolutionary advantage compared by yeast species.

Mannan is the one of the most widely studied antigen in patients who is suffering from candidial infections. Several other serological methods have been used to detect the level of the circulating mannan antigen. The Pastorex Candida assay is a monoclonal antibody-based

latex agglutination assay for mannan antigen which is available commercially and the most widely used test for detection of mannan antigen.[38]

In a study conducted by Janusz *et al*.[39] it was reported that human monocytes possess b-glucan receptors that initiate phagocytosis of glucan particles, On the basis of this observation, a possible mechanism for establishing a fungal infection might be that fungi release soluble BDG which blocks the receptors of phagocytes, which permits fungus to skip the host defence mechanisms.

In a study conducted by Obayashi *et al* using Glucatell kit it was reported[40], that the sensitivity of the BDG assay was 90% and the specificity was 100% at a 20-pg/mL cut-off value.

A USA FDA-approved test kit, Fungitell has yielded an excellent sensitivity. In a prospective study conducted by Odabasi *et al*[41], its sensitivity was 100% for detecting infection in a group of 20 subjects with proven or probable invasive fungal infection.

Various advances have been developed in the blood culturing techniques which have improved the sensitivity as well have reduced the time that is required to obtain a positive blood culture. Which include the development of lysis centrifugation tubes and automated blood culture systems.

The lysis centrifugation system (Wampole Laboratories, USA) increases the yield of Candida spp. recovered from blood with the use of a detergent to release fungus that is trapped within host phagocytic cells. The lytic mixture disrupts the host cells and also inactivates both complement as well some antimicrobial agents which are harmful to the viability of the fungus, the Tubes are centrifuged and resultant pellet is cultured onto a solid medium, such as chocolate agar, for rapid recovery of most yeasts.[42]

It has been observed that the mean time for a blood culture to be positive is faster for patients with multiple organ involvement than for

those with single organ involvement which suggests the involvement with multiorgan failure.

Several medical factors are the sources of BG, it leads to a positive assay result in the absence of any kind of fungal infections. The Dialysis membranes and filters made from cellulose have been reported to contain BG that might be one of the causative factors for the positive results in renal failure patients. The use of membranes made up of cellulose (but not of cellulose triacetate or polymethyl-methacrylate membrances) during haemodialysis have resulted in significant increase in serum levels of BG during and after dialysis.[43,44] Many immunoglobulin products[45], The cotton gauze and sponges used in surgeries[46], and some drugs are reported to contain BG which can lead to false positive results many a times, therefore this assay should be analysed with great care and precautions.

Candida is the fourth most common cause of blood stream infection (BSI) in the United States with the patients mainly in a high risk setting of intensive care units.[47] There are several risk factors which are associated with invasive candidiasis. Mainly the colonisation of mucous membrane of the GI tract is a risk factor in immunosuppressed patients. The fungal burden is much higher than normal due to overgrowth of Candida as the normal bacterial flora is reduced to considerable extent due to the use of broad spectrum antibiotics.

Once candidemia develops the organism is capable of forming biofilms on plastic surfaces it forms biofilms on the plastic surfaces most common amongst those are the plastic catheters. The morphological characteristics of yeasts allow for dispersion through the blood stream, these are highly resistant to antifungal agent. Deep-seated infection of tissues such as the liver, spleen, and kidney can also arise from dissemination during blood stream infection.[48]

Aspergillosis is also one of the most common pulmonary infections amongst the immunocompromised patients. In a study conducted it was

analyzed that the morbidity and mortality caused by invasive Aspergillus infections are increasing due to increasing number of patients with malignancies treated with immunosuppressive therapy and increasing number of patients undergoing transplantation.[49]

In another study, they reported that invasive aspergillosis is a devastating infection affecting severely immunocompromised patients, most commonly with hematologic malignancies. An increase in the incidence of invasive aspergillosis has been reported in critically ill patients without the risk factors.[50]

The earliest sign of an invasive fungal infection is fever which is unresponsive to broad-spectrum antibiotics. Symptoms include cough, dysnoea and pleuritic chest pain can be noted early in the course, whereas hemoptysis typically comes late.

Kosmidis *et al* stated that the clinical presentation of *Aspergillus* lung disease is determined by the interaction between fungus and host. The high index of suspicion is required in patients without risk factors as early presentation is usually silent and nonspecific.[50]

Chakrabarti *et al* reviewed invasive aspergillosis (IA) in developing countries, included those countries, which are mentioned in the document of the International Monetary Fund (IMF), called the Emerging and Developing Economies List, 2009. Sub-optimum hospital care practice, hospital renovation work in the vicinity of immunocompromised patients, misuse of steroids and antibiotics and use of contaminated infusion sets have been reported their association with IA. Other risk factors include liver failure, COPD, diabetes, and tuberculosis are the newly recognized underlying diseases. In Asia, Africa and Middle East, sino-orbital or cerebral aspergillosis and *Aspergillus* endophthalmitis are emerging diseases and *Aspergillus flavus* is the predominant species isolated from these infections.[51]

Kurosaki *et al* retrospectively investigated the clinical features of pulmonary aspergillosis associated with interstitial pneumonia. Out of 539

patients with interstitial pneumonia, 15 suffered from pulmonary aspergillosis. The underlying conditions were emphysema and history of oral corticosteroids. All patients were treated with antifungal drugs but 10 patients (66.6%) died. Pulmonary aspergillosis is one of the major complications of interstitial pneumonia and its prognosis is poor.[52]

Camargo *et al* described that the protective immunity against Aspergillus depends on interaction between innate and adaptive arms of the immune system.[53] Fungal recognition via pattern recognition receptors and Toll-like receptors leads to complement activation and killing of ingested fungi. Aspergillus-specific T-helper 1 and 17 cells produce cytokines which facilitate macrophage activation and neutrophil recruitment. Genetic defects in these components result in increased risk of Invasive aspergillosis after chemotherapy/ transplantation.[54]

Aspergillosis therapy with amphotericin, azoles, or echinocandins is associated with substantial decreased mortality, ranging from 30% to 80%, depending on the stage of infection and the host's underlying disease. In another study conducted in 2004, they evaluated that the combination of voriconazole and caspofungin was associated with improved 3-month survival rate as compared to voriconazole alone with hazard ratio (HR) of 0.42. The probability of death due to aspergillosis was lowest in patients who received the combination regimen.[55,56]

A study conducted by Verma AK *et al* from Lucknow reported an incidence rate of 1.61 per 1000 hospital admissions from candidemia.[57] Another study from south India reported an incidence rate of 5.7% [58] and a study by Sahni V *et al*[59] from Maulana Azad Medical, New Delhi found an incidence rate of 6.9% for Candida species in Blood stream infections(BSI).In order to achieve satisfactory sensitivity and specificity values, detection of combined culture, non-culture based methods are the best indicators.

The current ongoing focus for the invasive fungal infections is the development of polymerase chain reaction (PCR) assay for candidemia.

Sensitivity of PCR is close to that of blood cultures and in occasional cases, has established a diagnosis when cultures were negative.[60]

BDG assay is recommended as a complementary tool for the diagnosis of IFI in high risk haematological patients. The main problems in routine use of this assay is its high cost and high rate of false positive results due to bacterial bloodstream infections and several other factors mentioned before. It is of great help and use in haematology-oncology patients, particularly for excluding the presence and absence of invasive fungal infections.

Management

Antifungals-The most common antifungal agents used for treatment of candidemia are the echinocandins (caspofungin, micafungin, anidulafungin) and fluconazole. Formulations of amphotericin B are given less often due to the risk toxicity.

Azoles-The azoles that are available for systemic use can be classified into two groups: the triazoles (fluconazole, Itraconazole, Voriconazole,posaconazole and isavuconazole) and the imidazoles. Fluconazole It inhibits the fungal cytochrome P450 enzyme 14 alpha demethylase.

Mammalian demethylase activity is much less sensitive to fluconazole than fungal demethylase.[61] This inhibition prevents conversion of lanosterol to ergosterol,an essential component of fungal cytoplasmic membrane. It is primarily fungistatic; however, it may be fungicidal against certain organisms in dose dependen t manner specifically *Cryptococcus*.[62]

Gradually over few years there has been a change in pattern of antifungal susceptibility patterns. Because of the delay in diagnosis and proper detection of appropriate fungal causative agents it has been advocated for use empirical therapy for early treatment and timely response in immunocompromised patients.

Fluconazole is the antifungal agent which is most commonly used for prophylaxis as it can be orally given and is comparatively cheaper than other antifungal agents. Newer agents like posaconazole and micafungin have been tried in several patients.

Because of all above complications and increased mortality rate in patients of invasive fungal infections. We have to work towards the development of methods which give us the advantage of timely diagnosis and starting therapy for the patients.

MATERIALS AND METHODS

SOURCE OF DATA

The present study was a prospective study conducted over a period of one year in the Department of Microbiology, Dayanand Medical College and Hospital, Ludhiana.

All patients with requisition of (1-3)-β-D- Glucan received from admitted patients with suspicion of invasive fungal infections in Dayanand Medical College and Hospital, Ludhiana were included

METHODS OF COLLECTION OF DATA

Data collected was entered in a pre-structured proforma which included patient's details: Name, age, gender, MRD number, Lab ID No., date of admission, provisional clinical diagnosis, sample, risk factors, treatment history hemogram, microbiological evaluation {(1-3)-β-D- Glucan, galactomannan, fungal smear/ culture}, blood culture dispatch of report ,outcome.

Source of Data:

Samples received from suspected patients of Invasive Aspergillosis admitted in various wards and ICUs of Dayanand Medical College and Hospital, Ludhiana were included.

Suspected patients had at least one of the following risk factors.[2]

ICU stay for more than 7 days.

persistent fever despite first line antibiotic therapy

Chronic Steroid use

Neutropenia

Organ transplant

HIV infection

Sample collection:

Blood: Site of venipuncture was selected and a tourniquet applied, 3-4 inches above the intended site, the area was cleansed vigorously with 70% isopropyl alcohol and was allowed to dry, the site was cleaned with Povidone/Tincture of iodine similarly in outward direction circularly for an

area of 4-5 inches. Phlebotomy was performed using needle and syringe, tourniquet was released and needle withdrawn.[21] The septum of the blood culture bottle was cleaned and sample was inoculated. Using all these aseptic techniques 5 ml blood was collected for (1-3)-β-D- glucan and galactomannan assay and for blood culture 5-10 ml blood was be inoculated in blood culture bottles. The cultures were examined daily by an automated system for detection of positive bottles. The positive bottles were sub-cultured on blood agar and McConkey agar and the growth obtainded after 24 hours of incubation was further processed for identification.[60]

Bronchoalveolar Lavage (BAL): Sample was collected using flexible fiberoptic bronchoscope. About 30-50 ml of physiological saline was infused through fiberoptic bronchoscope into peripheral bronchiolar ramification. The saline was then aspirated and collected in a sterile, robust and leak proof container.

Endotracheal (ET) secretions: ET secretion was collected using a 22-inch Ramson's 12 F suction catheter with a mucus extractor which was gently introduced through the endotracheal tube for a distance of approximately 25–26 cm. Gentle aspiration was then performed without instilling saline and the catheter was withdrawn from the endotracheal tube. About 2 ml of sterile 0.9% normal saline was injected into it with a syringe to flush the exudates into a sterile container for collection

Sputum: Sputum was collected in a wide mouthed, sterile, leak-proof, screw capped container under all aseptic precautions

Body fluids, Biopsy specimen: Sample was collected in a sterile container under all aseptic precautions.

Sample processing

Serology test

(1-3)-β-D Glucan Assay (Fungitell)

The assay is based upon a modification of the Limulus Amebocyte Lysate (LAL) pathway.[16] The Fungitell kinetic assay is based upon the

determination of the rate of optical density increase produced by a sample. This rate was interpreted against a standard curve to produce estimate of (1-3)-β-D-glucan concentration in the sample. The Fungitell test results were expressed in picrogram/ml. Samples were processed and analysed as per the protocol of FDA approved Fungitell (1-3)-β-D-glucan kit by Associates of Cape Cod incorporated.[17,18]

Interpretation:

NEGATIVE RESULT

(1-3)-β-D-glucan values <60 pg/mL were interpreted as negative results.

INDETERMINATE RESULT

Values from 60 to 79 pg/mL suggested a possible fungal infection.

POSITIVE RESULT

Values ≥ 80 pg/mL were interpreted as positive.

Galactomannan assay: Principle: It is a one-stage immunoenzymatic sandwich microplate assay which detects galactomannan in human serum. The assay uses rat EBA-2 monoclonal antibodies, which are directed against Aspergillus galactomannan.

Semi-quantitative determination of Aspergillus GM antigen in serum was done using Platelia Aspergillus EIA (enzyme immunoassay) kit (*Bio-Rad,* France) as per manufacturer's instructions.

Interpretation:

Sera with an index < 0.50 were considered as negative for galactomannan antigen.

Sera with an index ≥ 0.50 were considered as positive for galactomannan antigen.

Variables such as Mold active antifungal drugs (amphotericin B, voriconazole, itraconazole), piperacillin-tazobactam, amoxacillin-clavulanic acid, steroids, neutropenia were studied.

Interpretation:

NEGATIVE RESULT: Serum with index <0.50

POSITIVE RESULT: Serum with index ≥0.50

Mycological evaluation-

Direct microscopy

Potassium hydroxide mount : -

Composition of KOH:-

Potassium hydroxide	10 gm
Glycerol	10 ml
Distilled water	80 ml

These ingredients were mixed properly and solution was stored at room temperature.

Slide KOH preparation-

A drop of potassium hydroxide solution was placed on a clean microscopic slide. The sample was transferred to the drop of KOH and mixed gently with inoculating loop. A cover slip was placed over it.[8] Clearing was hastened by gently heating the preparation over the flame of a Bunsen burner, taking care to prevent drying. It was then examined microscopically under low (10×) and high (40×) power objectives.

Tube KOH preparation:

Tube KOH method was used for biopsy specimens which take longer time for dissolution. The tissue was put in 10-20% KOH and was kept in an incubator at 37°C for dissolution. It was then examined microscopically under low (10×) and high (40×) power objectives.

Presumptive identification was made based on direct microscopic examination of material from clinical sample.

Fungal culture:

Culture media used were:

Sabouraud dextrose agar (SDA) with antibiotics and without cycloheximide

Composition and preparation:

Peptone	10 gm
Dextrose	40 gm
Agar	20 gm

Distilled water	1000 ml
Chloramphenicol	50 mg
Gentamicin	20 mg

All ingredients were dissolved by boiling; antibiotics were added into SDA while boiling but before autoclaving. Chloramphenicol/ gentamicin were dissolved in 10 ml of 95% alcohol and added to boiling medium.[8] The medium was dispensed in tubes and autoclaved at 121ºC for 15 minutes and final pH was adjusted to 5.6. The medium was allowed to cool in slanting position and stored in the refrigerator.

Sabouraud dextrose agar (SDA) with antibiotics and cycloheximide

All ingredients of SDA with antibiotics were mixed properly and following antibiotic was added while boiling but before autoclaving:

Cycloheximide	500mg/1000ml

Cycloheximide was dissolved in 10ml acetone, added to boiling medium and mixed properly. The medium was removed from heating and mixed well. It was dispensed in tubes and autoclaved at 121ºC for 15 minutes and final pH was adjusted to 5.6. The medium was dispensed in tubes and allowed to cool in slanting position and stored in the refrigerator.

Processing of sample for fungal culture:-

The samples were inoculated on two tubes of Sabouraud dextrose agar (SDA) with antibiotics (chloramphenicol 50mg/1L and gentamicin 20mg/1L) and cycloheximide (500mg/1L) and two tubes of SDA with antibiotics but without cycloheximide. One set of tubes was incubated at 25ºC.[10] Similarly, other set were incubated at 37ºC. The inoculated media were kept for a minimum period of three weeks. Tubes were examined daily during 1st week and on alternate days in 2nd and 3rd week. The growth obtained was identified on the basis of colony morphology, pigment production and microscopic examination of lactophenol cotton blue (LCB) preparation.

Lactophenol cotton blue preparation (LCB)[17,18]: Composition and preparation

Phenol crystals	20 ml
Lactic acid	20 ml
Glycerol	40 ml
Distilled water	20 ml
Cotton blue	0.05 gm

All reagents were mixed properly and cotton blue stain was dissolved in distilled water before mixing with remaining reagents.

Tease mount preparation

Growth on culture tubes was teased out on a glass slide in a drop of LCB stain using two teasing needles. Coverslip was placed over it and examined under microscope to study morphological features of fungal isolates.

Transparency Tape method of preparing LCB mount

A drop of LCB was placed on a clean microscope slide. A piece of clear vinyl adhesive tape 6-7 cm long was held with forceps and introduced into the culture tube. The centre of the adhesive side of the tape was allowed to touch the colony lightly under its own weight. The tape was transferred to the slide, placing the area with adhered mycelium on to the lactophenol cotton blue. Growth of *Aspergillus* species was taken as significant and processed for identification

INCLUSION CRITERIA

Patients more than 18 years.

EXCLUSION CRITERIA

Patients less than 18 years.

OPD patients.

DURATION OF STUDY/NUMBER OF CASES

Prospective study for one year

STATISTICAL ANALYSIS

Data was analyzed using descriptive statistical method.

OBSERVATIONS AND RESULTS

This prospective study was conducted in the Department of Microbiology, Dayanand Medical College and Hospital, Ludhiana. Over a period of one year (1st January 2019 to 31st December), All admitted patients above 18 years of age were included in our study. All OPD patients and admitted patients below 18 years of age were excluded from the study. Total of 862 cases with requisition of (1-3)-β-D-glucan received in Microbiology lab were enrolled in our study .Total of 862 samples were received from patients with risk factors of Invasive fungal infections present,836 samples were received for galactomannan,853 for blood culture,854 for fungal culture. Out of 862 total samples received for (1-3)-β-D-glucan, 455 samples were positive. Among these 455 samples 115 samples were positive for both Galactomannan and (1-3)-β-D-glucan. Blood culture was positive for *Candida spp.* in 45 samples, of which 38 showed positive (1-3)-β-D-glucan assay. Senstivity, Specificity of the assay was determined at various cut offs and Area under the curve was calculated by comparing variables (1-3)-β-D-glucan, galactomannan, Blood culture and Fungal culture. Following observations and results were made from the study. All the results are depicted in form of charts and graphs and statistical analysis was done.

Table 1: Age wise distribution of study population. (n=862)

AGE GROUP	No. of cases	Percentage (%)
< 30	89	10.3
31-40	88	10.2
41-50	102	11.8
51-60	180	20.9
61-70	221	25.6
71-80	137	15.9
> 80	45	5.2

In present study, Maximum number of cases were from the age group of 61 to 70 years corresponding to 25.6% of all patients followed by 20.9% in the age group of 51 to 60 years of age.

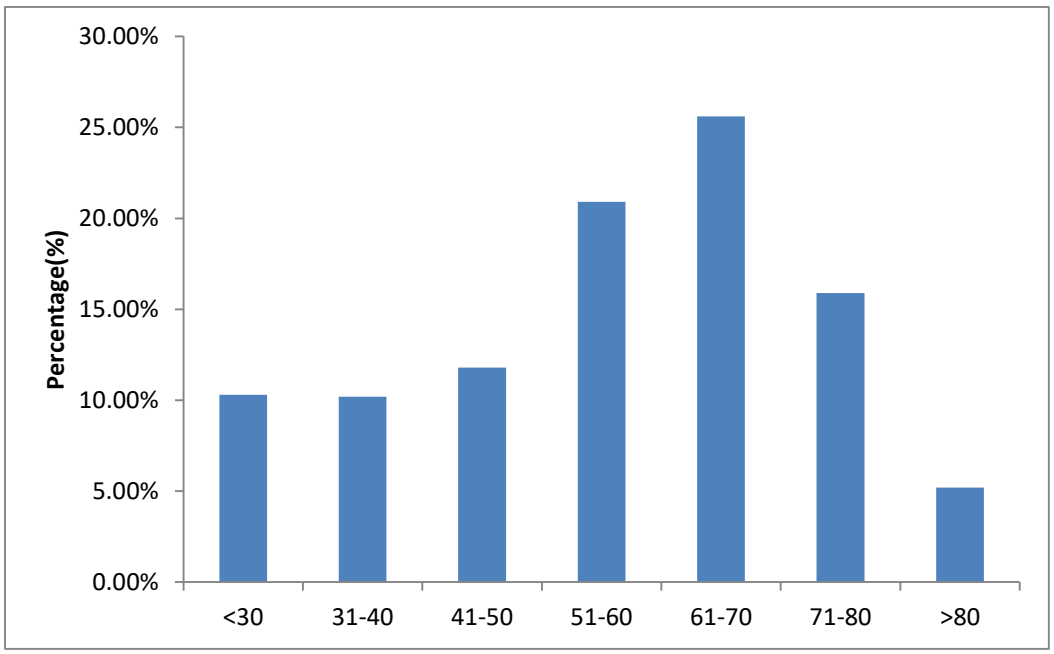

Figure 1: **Age wise distribution of study population. (n=862)**

Table 2: Sex wise distribution of study population. (n=862)

SEX	No. of cases	Percentage (%)
MALE	546	63.3
FEMALE	316	36.7

Out of total 862 patients enrolled, 63.3% were males and 36.7% patients were females.

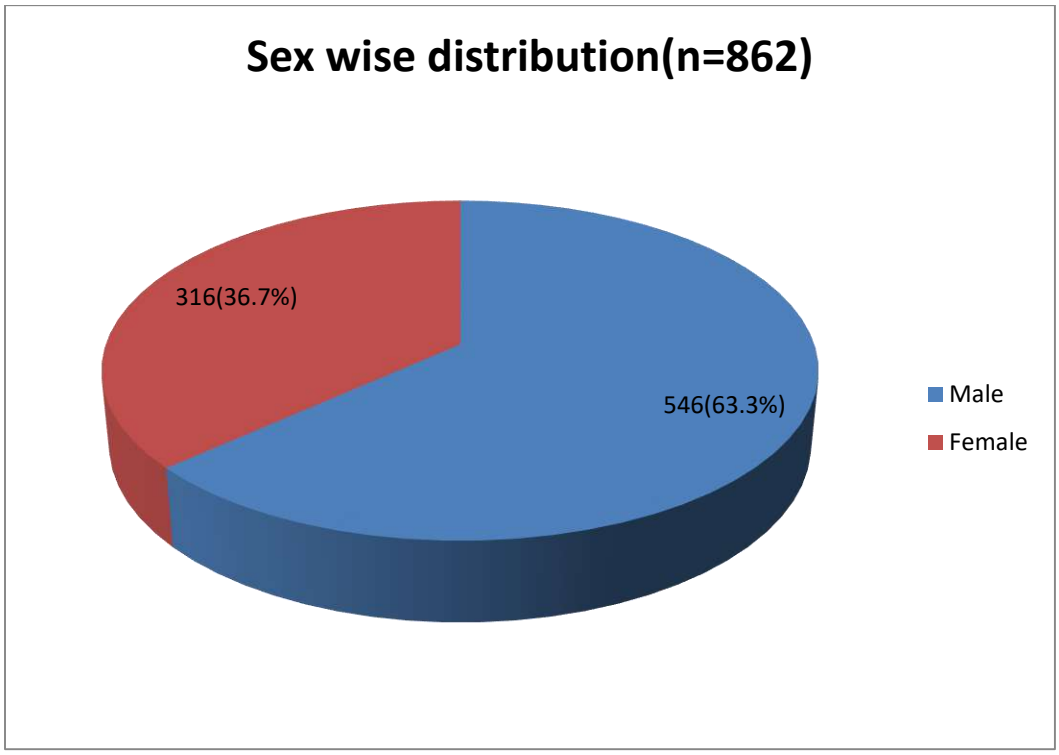

Figure 2: Sex wise distribution of study population. (n=862)

Table 3: Area wise distribution of the study population. (n=862)

Location	No. of cases	Percentage (%)
ICU	613	71.1
WARDS	249	28.9

Out of total 862 cases 613 were admitted in ICUs and 249 were admitted in wards. Of all 249 patients in wards 225 in Medical wards, 12 oncology ward and 12 in Surgical wards

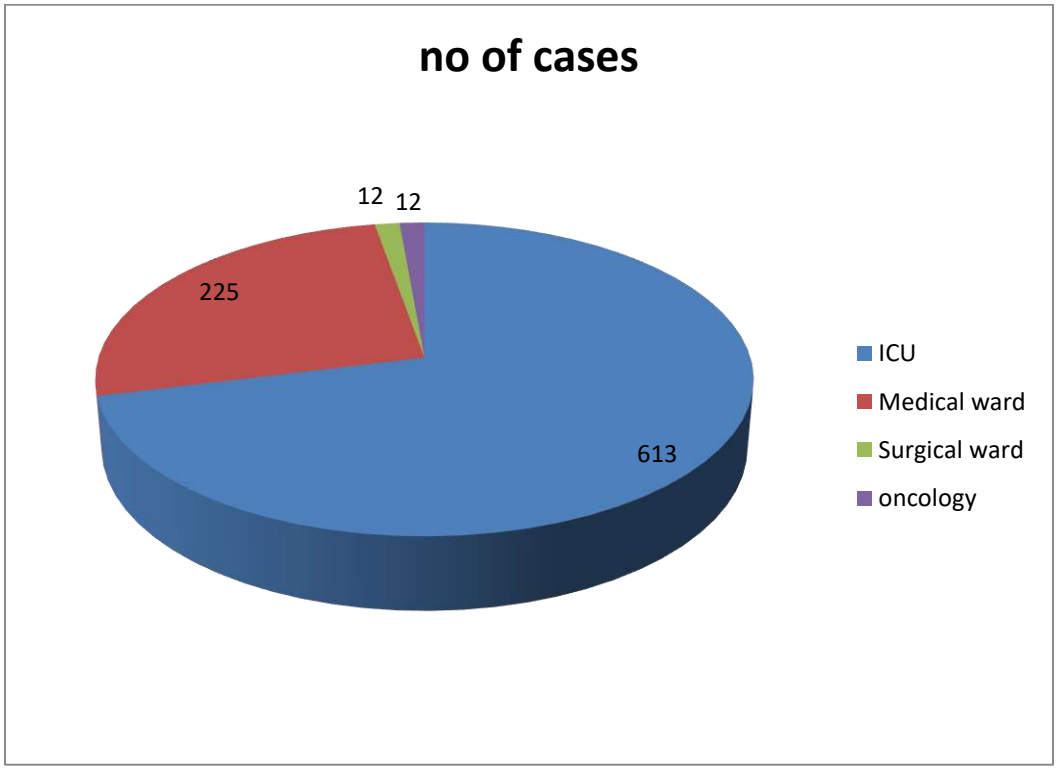

Figure 3: Area wise distribution of the study population. (n=862)

Table 4: Distribution of patients based on underlying disease. (n=862)

Diagnosis	Cases	Presentation	Cases
Gastrointestinal Tract Disease	196 (22.7%)	Pancreatitis	61(31.1%)
		Crohn's	9(4.6%)
		Cholecystitis	14(7.1%)
		Gastroenteritis	11(5.6%)
		Liver disease	67(34.1%)
		Surgical procedures	34(17.3%)
Respiratory Tract Disease	190 (22%)	Pneumonia	85(44.7%)
		Chronic obstructive lung disease	50(26.3%)
		Interstitial lung disease	10(5.3%)
		Tuberculosis	28(14.7%)
		Pleural effusion	17(8.9%)
Renal Disease	95 (11%)	Chronic renal failure	37(38.9%)
		Acute renal failure	52(54.7%)
		Surgical Procedures	6(6.3%)
Cardiovascular Disease	78 (9%)	Coronary artery disease	44(56.4%)
		Hypertension	10(12.8%)
		Surgical procedures	24(30.8%)
Tropical Fever	78 (9%)	Acute febrile illness	50(64.1%)
		Acute febrile illness with thrombocytopenia	23(29.5%)
		Complicated falciparum Malaria	5(6.4%)
Neurological Disease	51 (5.9%)	Meningitis	15(29.4%)
		Seizures	10(19.6%)
		Surgical procedures	26(50.9%)
Oncological	27	3.1%	
Miscellaneous	147	17.1%	

Table 5: Correlation of underlying disease with risk factors. (n=862)

	ICU>7 DAYS(%)	Persistent fever(%)	Steroid use(%)	Neutropenia (%)	Organ transplant (%)	HIV positive(%)
Gastrointestinal tract disease(n=196)	122(62.2)	69(35.2)	70(35.7)	32(16.3)	5(2.6)	-
Respiratory tract disease(n=190))	103(54.2)	78(41.1)	75(39.4)	37(19.5)	1(0.5)	-
Renal disease(n=95))	56(58.9)	44(46.3)	37(38.9)	21(22.1)	2(2.1)	
Cardiovascular disease(n=78)	33(42.3)	27(34.6)	25(32.1)	13(16.7)	1(1.3)	-
Tropical fever(n=78)	44(56.4)	26(33.3)	25(32.1)	16(20.5)	1(1.3)	-
Neurological disease(n=51)	27(52.9)	21(41.2)	18(35.3)	11(21.6)	1(1.9)	1(1.9)
Oncological disease(n=27)	12(44.4)	10(37)	12(44.4)	4(14.8)	1(3.7)	1(3.7)
Miscellaneous(n=147)	75(51)	54(36.7)	48(32.7)	19(12.9)	-	2(1.4)
Total(n=862)	472(54.8)	329(38.2)	310(36)	153(17.7)	12(1.4)	4(0.5)

Table 6: Distribution of clinical samples received. (n=862)

Samples	(1-3)-β-D-glucan	Galactomannan	Blood culture	Fungal smear	Fungal culture
Serum	862 (100%)	836 (96.9%)	-	-	-
Blood	-	-	853 (98.9%)	-	-
Sputum	-	-	-	443 (51.4%)	439 (50.9%)
Endotracheal secretions	-	-	-	350 (40.6%)	346 (40.1%)
Bronchalveolar lavage	-	-	-	1 (0.1%)	1 (0.1%)
Ascitic fluid	-	-	-	33 (3.8%)	33 (3.8%)
Pleural fluid	-	-	-	16 (1.9%)	16 (1.9%)
Drain fluid	-	-	-	5 (0.6%)	5 (0.6%)
Bile fluid	-	-	-	2 (0.2%)	2 (0.2%)
Biopsy	-	-	-	12 (1.4%)	12 (1.4%)

For detection of BG and GM serum samples were received in our lab from the patients with suspicion of invasive fungal infections. Apart from serum samples other clinical samples received in our lab were Blood samples (98.9%), for fungal smear and culture Sterile fluids such as Ascitic (3.8%),

Pleural (1.9%), Drain (0.6%), Bile (0.2%) were received. Respiratory samples such as Sputum (51.4% for smear and 50.9% for culture), Endotracheal secretions (40.6% and 40.1% for fungal smear and culture) respectively. Biopsy (1.4%) samples were also received.

Table 7: Overall Positivity of (1-3)-β-D-glucan assay. (n=862)

(1-3)-β-D-glucan assay	No. of cases	Percentage (%)
POSITIVE	455	52.8
NEGATIVE	315	36.5
INDETERMINATE	92	10.7

Out of total 862 samples received 52.8% were positive for 1-3 Beta D Glucan, 36.5% of the samples showed negative results and 10.7% were indeterminate.

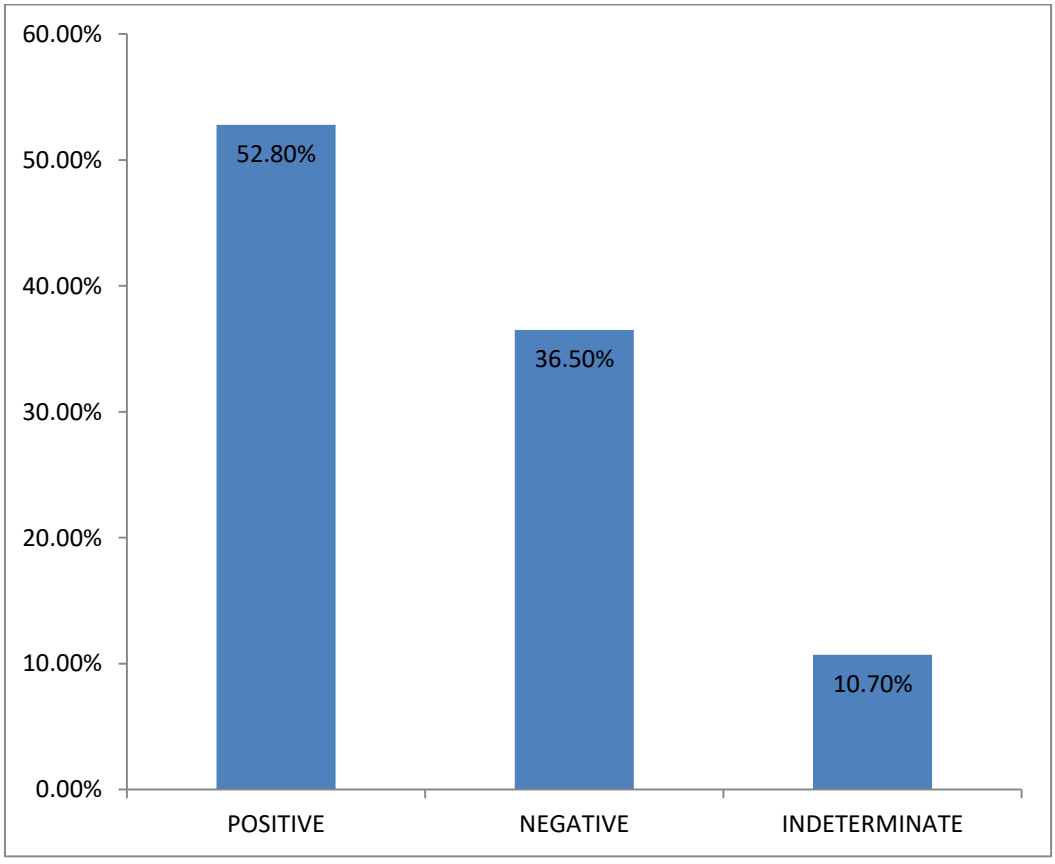

Figure 4: Overall Positivity of (1-3)-β-D-glucan assay. (n=862)

Table 8: Area wise distribution of (1-3)-β-D-glucan assay positivity. (n=862)

		Positive/Negative/Indeterminate(P/N/IND)			Chi-square value	p-value
		P (n=455)	N (n=315)	IND (n=92)		
Locations	ICU(613)	327(71.9%)	221(70.2%)	65(70.7%)	4.61	0.595
	Medical ward(225)	111(24.4%)	89(28.3%)	25(27.2%)		
	Oncology(12)	8(1.8%)	3(1.0%)	1(1.1%)		
	Surgical ward(12)	9(2.0%)	2(0.6%)	1(1.1%)		

Maximum number of positive samples were received from ICU (71.9%), Followed by Medical wards (24.4%) and Surgical wards (2.0%).

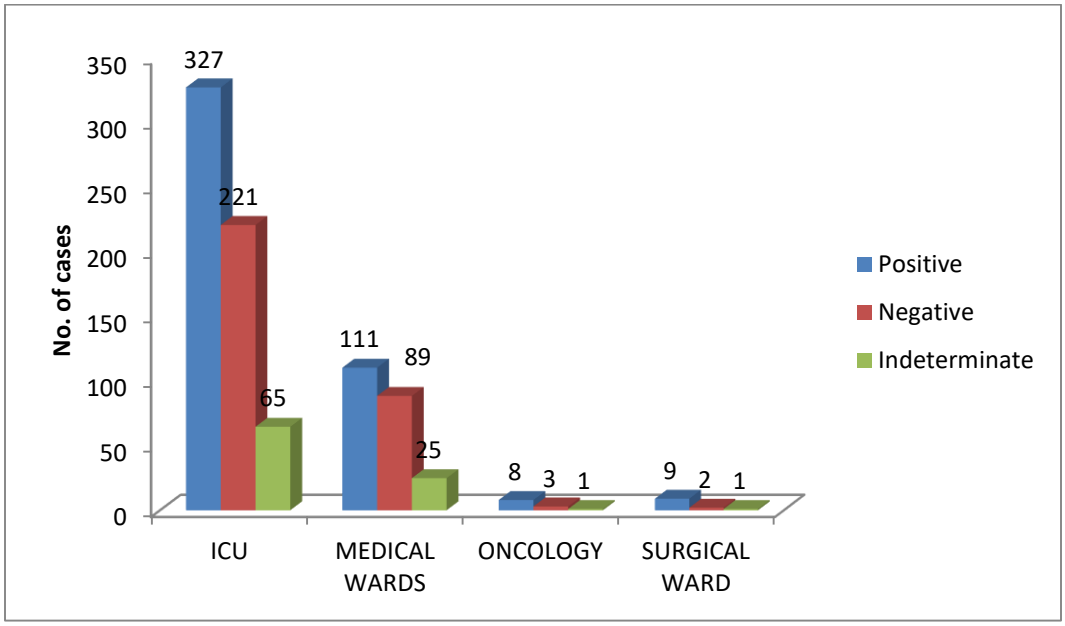

Figure 5: Area wise distribution of (1-3)-β-D-glucan assay positivity. (n=862)

Table 9: Sex wise distribution of Positivity of (1-3)-β-D-glucan assay. (n=862)

		(Positive/Negative/Indeterminate)P/N/IND			Chi-square value	p-value
		P (n=455)	N (n=315)	IND (n=92)		
SEX	Male (546)	273(60.0%)	211(67.0%)	62(67.4%)	4.64	0.098
	Female (316)	182(40.0%)	104(33.0%)	30(32.6%)		

Among all the positive patients 60% positivity was seen in male patients as compared to female patients(40%).

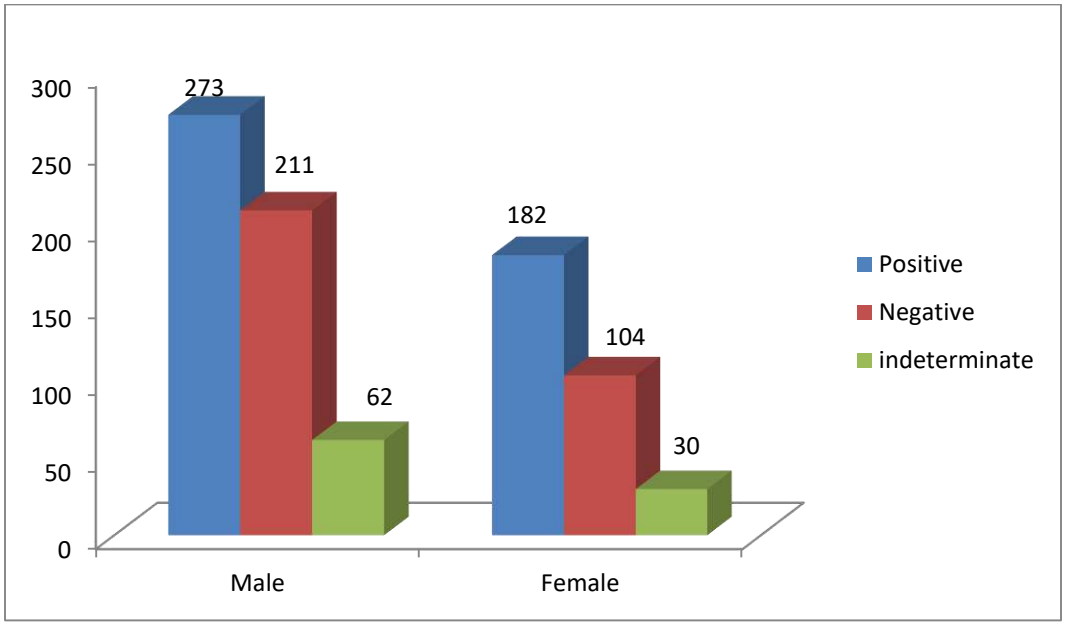

Figure 6: Sex wise distribution of Positivity of (1-3)-β-D-glucan assay. (n=862)

Table 10: Age wise distribution of positivity of (1-3)-β-D-glucan assay. (n=862)

		(Positive/Negative/ Indeterminate)P/N/IND			Chi-square value	p-value
		P (n=455)	N (n=315)	IND (n=92)		
AGE GROUP	< 30 (89)	41 (9.0%)	41 (13.0%)	7 (7.6%)	34.9	0.001
	31-40 (88)	34 (7.5%)	48 (15.2%)	6 (6.5%)		
	41-50 (102)	48 (10.5%)	42 (13.3%)	12 (13.0%)		
	51-60 (180)	101 (22.2%)	57 (18.1%)	22 (23.9%)		
	61-70 (221)	131 (28.8%)	74 (23.5%)	16 (17.4%)		
	71-80 (137)	80 (17.6%)	35 (11.1%)	22 (23.9%)		
	> 80 (45)	20 (4.4%)	18 (5.7%)	7 (7.6%)		

Among all patients maximum positivity was seen in age group of 61-70(28.8%) years of age followed by age group of 71-80(17.6%) years of age.

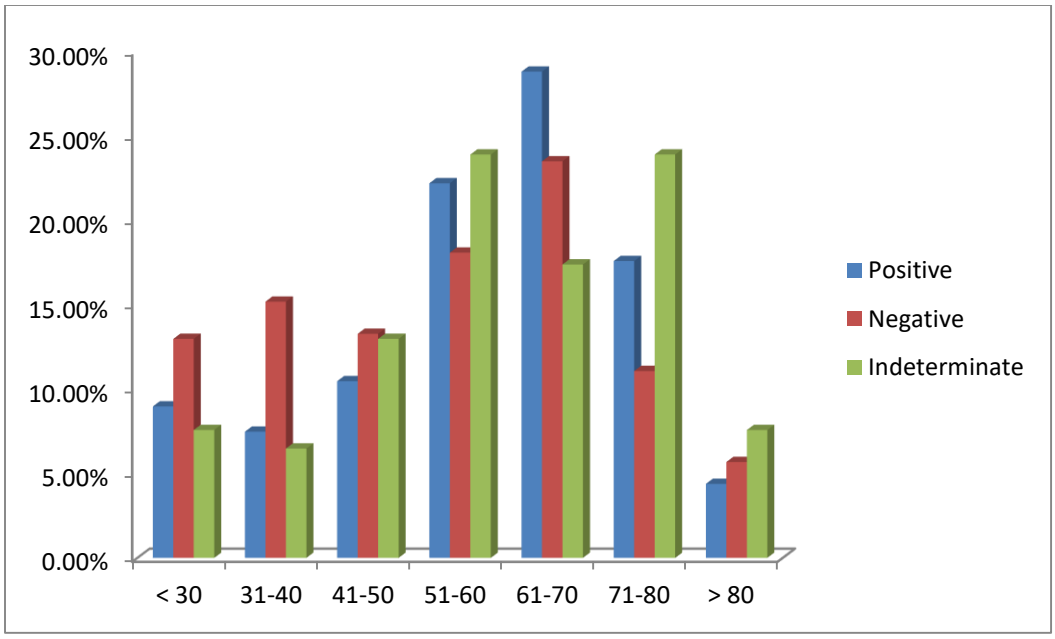

Figure 7: Age wise distribution of positivity (1-3)-β-D-glucan assay. (n=862)

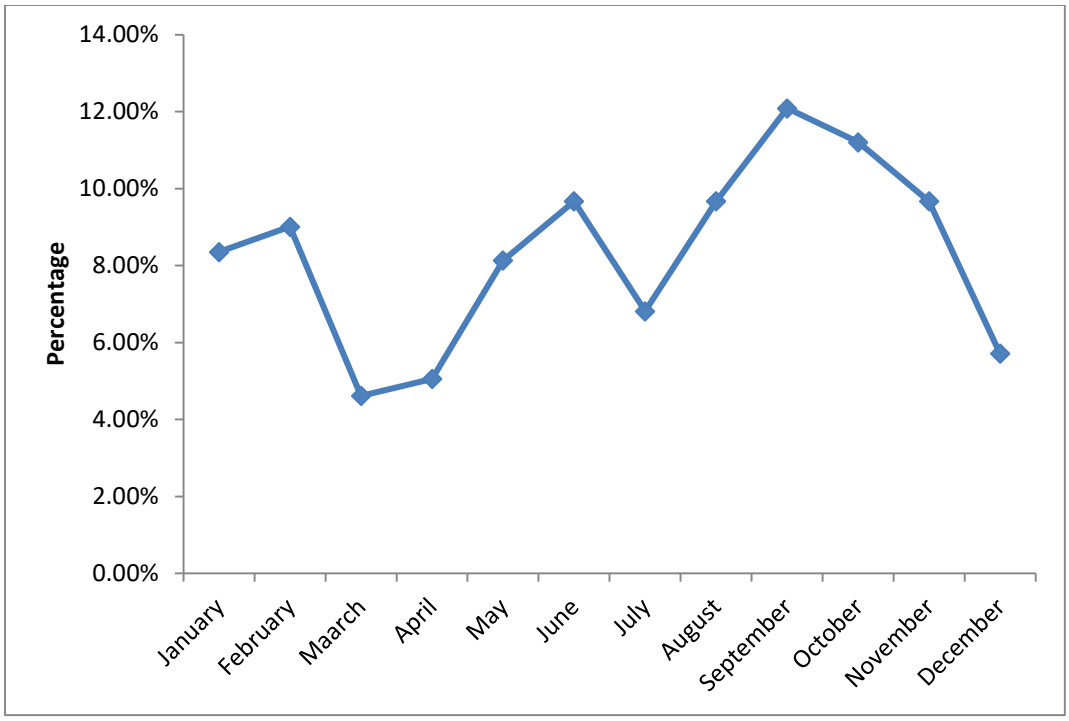

Figure 8: Month wise positivity of (1-3)-β-D-glucan assay. (n=862)

According to our Study maximum positivity was seen in the month of September (12.1%) followed by October (11.2%)

Table 11: Correlation of Assay positivity with Galactomannan. (n=836)

	1-3 Beta D Glucan assay			Chi-square value	P value
Galactomannan	Positive (n=455)	Negative (n=315)	Indeterminate (n=92)		
Negative(658)	333 (73.2%)	249 (79.0%)	76 (82.6%)	11.22	0.004
Positive(178)	115 (25.3%)	50 (15.9%)	13 (14.1%)		

Galactomannan test was performed from 836 samples. In 455 1-3 Beta D glucan positive sample, 115(25.3%) were found to be positive for both Galactomannan and (1-3)-β-D-glucan and P value (0.004) is clinically significant.

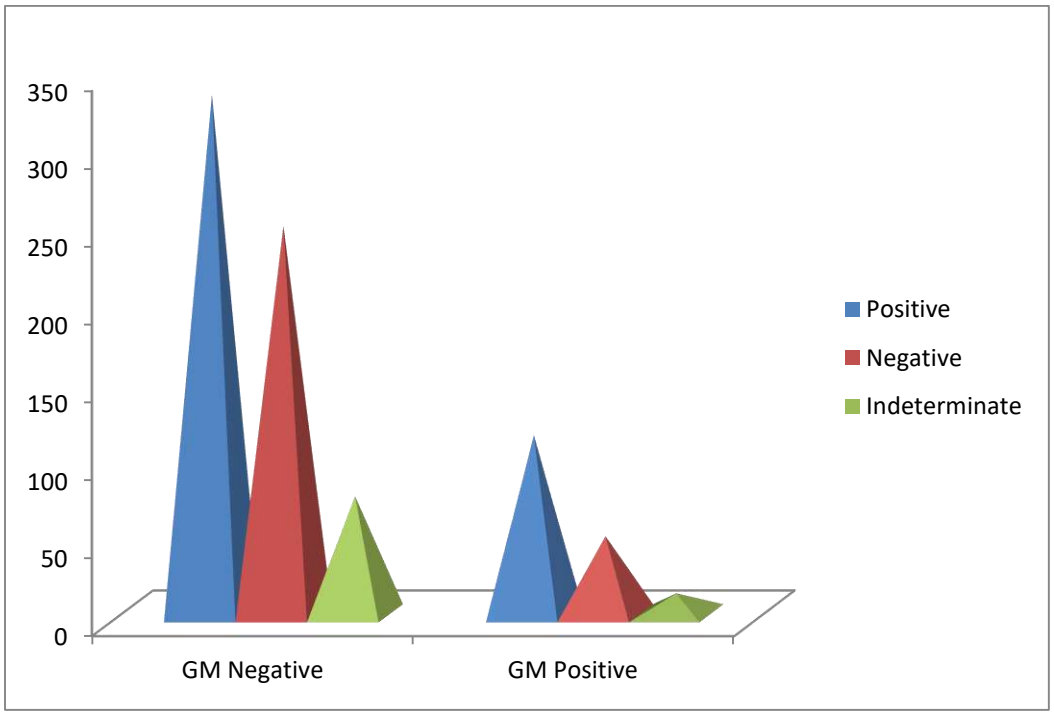

Figure 9: Correlation of Assay positivity with Galactomannan. (n=836)

Table 12: Correlation of (1-3)-β-D-glucan assay with fungal smear. (n=862)

(1-3)-β-D-glucan (BDG)	Fungal Smear Positive (n=59)	Fungal Smear Negative (n=803)
Positive (455)	48 (5.6%)	407(47.2%)
Negative (407)	11 (1.27%)	396 (45.9%)

Out of 862 patients with suspicion of fungal infections, fungal smear and BDG assay were positive in 5.6%. Positive BDG assay with negative fungal smear was seen in 47.2% patients and 1.27% of patients had only positive fungal smear.

Table 13: Correlation of (1-3)-β-D-glucan assay with Fungal Culture. (n=854)

Samples(n=455)	Candida species(n=166)	Aspergillus species(n=25)
Sputum(n=220)	76(34.5%)	11(5%)
Endotracheal secretions(n=206)	72(34.9%)	14(6.8%)
Ascitic fluid(n=12)	5(41.7%)	-
Drain Fluid(n=2)	2(100%)	-
Biopsy(n=9)	9(100%)	-
Bile fluid(n=1)	-	-
Pleural fluid(n=5)	2(40%)	-

Of 455 total samples positive for (1-3)-β-D-glucan assay, Fungal cultures were received for 448 (98.4%).As repeat sputum and ET samples were not received therefore *Candida* spp. Isolated from the sputum and ET samples were considered as colonizers.

Table 14: Correlation of (1-3)-β-D-glucan assay with Culture. (n=854)

(1-3)-Beta-D glucan assay	Culture Positive (n=72)	Culture Negative (n=782)
BDG assay Positive (451)	72(8.4%)	379(44.4%)
BDG assay Negative (403)	0	403(47.1%)

Out of 862 patients with suspicion of fungal infections, 8.4% of patients were positive both by BDG assay and Culture. Positive BDG assay with negative culture was seen in 44.4% patients and 47.1% of patients had both BDG assay and Culture negative.

Table 15: Variables affecting (1-3)-β-D-glucan positivity. (n=862)

		Positive/Negative/)P/N/IND			Chi-square value	p-value
		P (n=455)	N (n=315)	IND (n=92)		
Piperacillin-tazobactam	No (506)	250 (54.9%)	194 (61.6%)	62 (67.4%)	6.596	0.037
	Yes (356)	205 (45.1%)	121 (38.4%)	30 (32.6%)		
Amoxiclav	No (520)	277 (60.9%)	195 (61.9%)	48 (52.2%)	2.941	0.230
	Yes (342)	178 (39.1%)	120 (38.1%)	44 (47.8%)		
Dialysis	No (750)	377 (82.9%)	288 (91.4%)	85 (92.4%)	14.738	0.001
	Yes (112)	78 (17.1%)	27 (8.6%)	7 (7.6%)		

Out of 862 patients 356 were on piperacillin tazobactam and 342 were receiving Amoxiclav. Amongst 455 positive patients 205(45.1%) were on Piperacillin-Tazobactam. Significant correlation was found amongst positive (1-3)-β-D-glucan and piperacillin and tazobactam use (p-value<0.05)). 17.1% of the (1-3)-β-D-glucan positive patients were on dialysis and significant correlation was observed.

Table 16: Comparative evaluation of (1-3)-β-D-glucan Blood culture, Fungal culture and galactomannan. (n=455)

Cut off (pg/ml)	1-3 Beta D glucan assay(%)	Blood culture(%)	Fungal culture(%)	Galactomannan (%)
80-100	69(15)	3(4.3)	2(2.9)	14(20.3)
100-200	179(39.3)	9(5.0)	15(8.4)	32(17.9)
200-300	68(14.9)	8(11.7)	7(10.2)	18(26.5)
300-400	35(7.7)	3(8.5)	5(14.2)	8(22.9)
400-500	21(4.6)	3(14.2)	3(14.2)	7(33.3)
> 500	83(18.2)	12(14.5)	11(13.2)	36(43.4)
Total	455(100)	38(8.4)	43(9.5)	115(25.3)

Among 455 positive samples (1-3)-β-D-glucan assay was in range of >500pg/ml in 18.2%.Positivity of Galacatomannan (25.3%), Blood culture (14.5%) and Fungal culture (13.2%) was highest in the samples with (1-3)-β-D-glucan in range>500pg/ml.

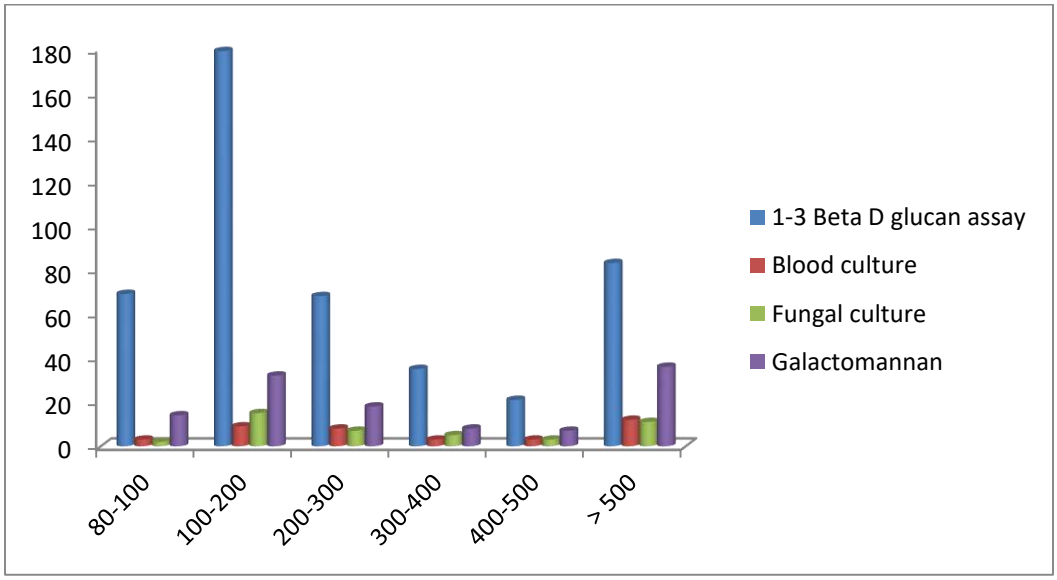

Figure 10: Comparative evaluation of (1-3)-β-D-glucan Blood culture, Fungal culture and galactomannan. (n=455)

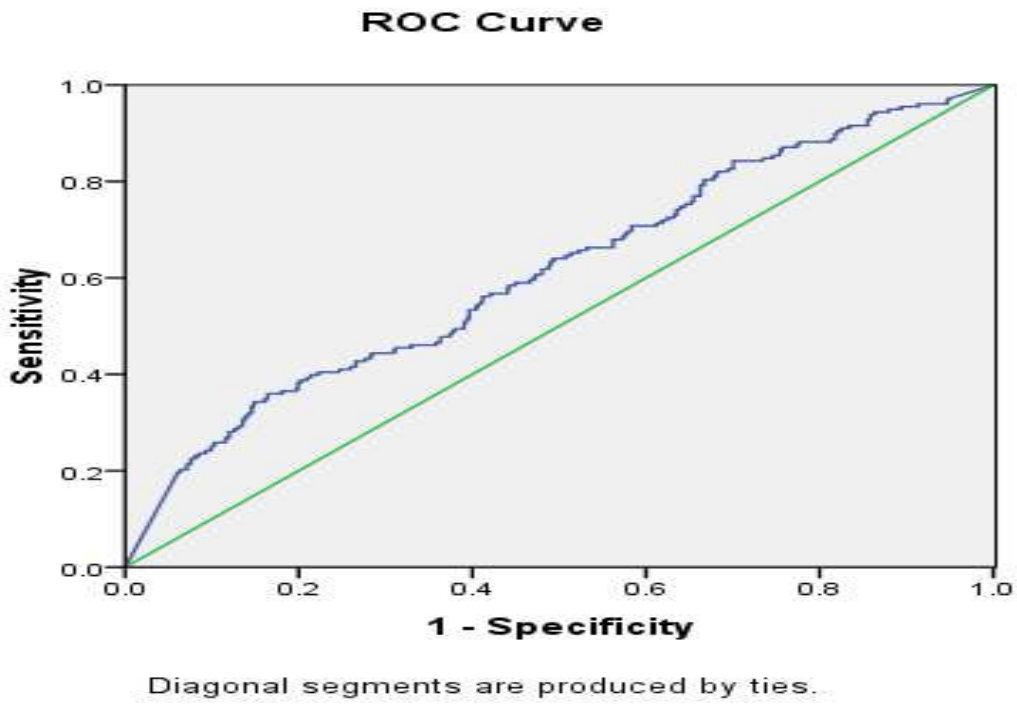

Figure 11: Receiver operating characteristic (ROC) curve.

Receiver operating characteristic (ROC) curve using SPSS 21.00 software was calculated by plotting true positive results (sensitivity) versus false positive (1- specificity) at various cut off points. The diagnostic accuracy given by the area under ROC curve (AUC) was 0.613. The ROC revealed that the (1-3)-β-D-glucan assay for serum indicated 64.0 % sensitivity and 49.4 % specificity at a cut-off of >80pg/ml as described by the kit. Optimum sensitivity of 55% and specificity of 59.0% was observed at cut off of >=105.4 pg/ml.

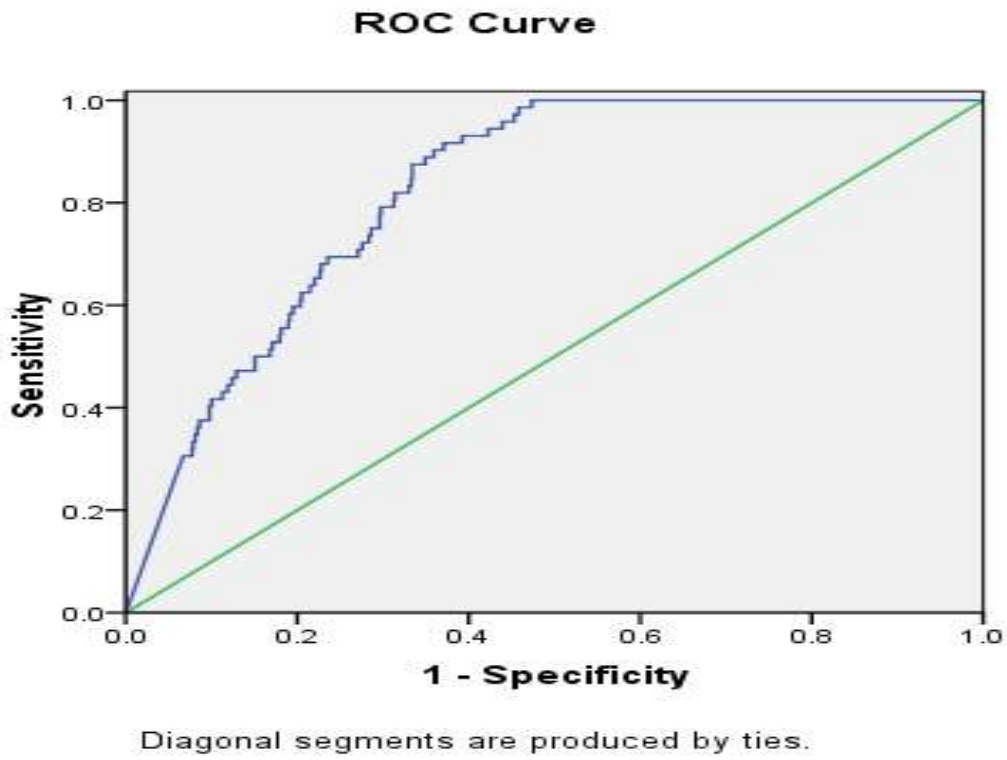

Figure 12: Receiver operating characteristic (ROC) curve.

Receiver operating characteristic (ROC) curve using SPSS 21.00 software was calculated by plotting true positive results (sensitivity) versus false positive (1- specificity) at various cut off points. The diagnostic accuracy given by the area under ROC curve (AUC) was 0.823. The ROC revealed that the (1-3)-β-D-glucan assay for serum indicated 100 % sensitivity and 51.3 % specificity at a cut-off of >80pg/ml as described by the kit. Optimum sensitivity of 79.2% and specificity of 70.3% was observed at cut off of >=142.21 pg/ml.

Table 17: Sensitivity, Specificity and Predictive values of (1-3)-β-D-glucan assay at different cut-off points with. (n=455)

(1-3)-β-D-glucan assay cut-offs	Sensitivity	Specificity	Positive Predictive Value	Negative Predictive Value	Accuracy
> 80	100.00%	51.52%	15.82%	100.00%	55.57%
> 100	93.06%	59.62%	17.36%	98.95%	62.41%
> 200	62.50%	79.49%	21.74%	95.88%	78.07%
> 300	47.22%	86.71%	24.46%	94.74%	83.41%
> 400	38.89%	90.38%	26.92%	94.20%	86.08%
> 500	30.56%	92.28%	26.51%	93.58%	87.12%

The sensitivity, specificity and predictive values at various interpretive cut-offs were analyzed between (1-3)-β-D-glucan findings and culture findings which show that at cut-off of >80pg/ml, there is high sensitivity and Negative predicitive value of 100 % and 100 % respectively. The specificity improved by increasing the cut-off >500pg/ml with specificity and Negative predictive value of 92.28% and 93.58% respectively.

Table 18: Distribution of the repeat samples. (n=62)

1st sample	Positive (455)			Negative (315)	Indeterminate(92)	
Repeat sample	37(8.1%)			22(6.9%)	10(10.9%)	
2nd sample	Positive	Negative	Indeterminate		Indeterminate	Negative
	24 (64.9%)	10 (27%)	3 (8.1%)	22(100%)	2(20%)	8(80%)

Out of 862 total patients, Repeat samples were received for BDG assay in 69(8.1%) patients, of which 64.9% tested positive on repeat testing as well whereas 27% showed negative results. Among all the 37 repeat samples 45.9% were on antifungal agents, of which 88.2% showed decline in levels of (1-3)-β-D-glucan assay and 11.76% showed no response to therapy.

Table 19: Outcome of the patients. (n=862)

Outcome	No. of cases	Percentage (%)
DISCHARGED	675	78.3
DAMA	116	13.5
DEATH	71	8.2

In total 862 patients enrolled in our study 78.3% patients were discharged satisfactorily whereas 8.2% patients could not survive.

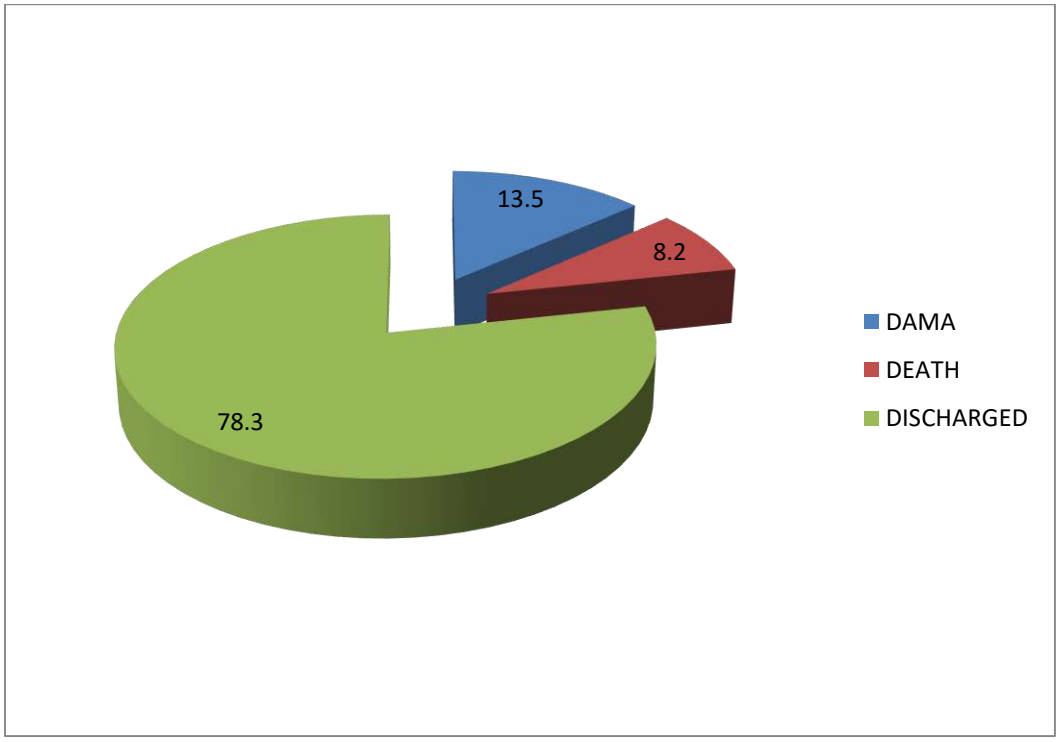

Figure 13: Outcome of patients. (n=862)

Table 20: Correlation of positivity with outcome. (n = 862)

		(Positive/Negative/ indeterminate)P/N/IND			Chi-square value	p-value
		P (n=455)	N (n=315)	IND (n=92)		
Outcome	DAMA(116)	58 (12.7%)	47 (14.9%)	11 (12.0%)	1.295	0.862
	Death (71)	38 (8.4%)	24 (7.6%)	9 (9.8%)		
	Discharged (675)	359 (78.9%)	244 (77.5%)	72 (78.3%)		

Out of 455 total patients, 359(78.9%) were discharged and 38(8.4%) succumbed to death.

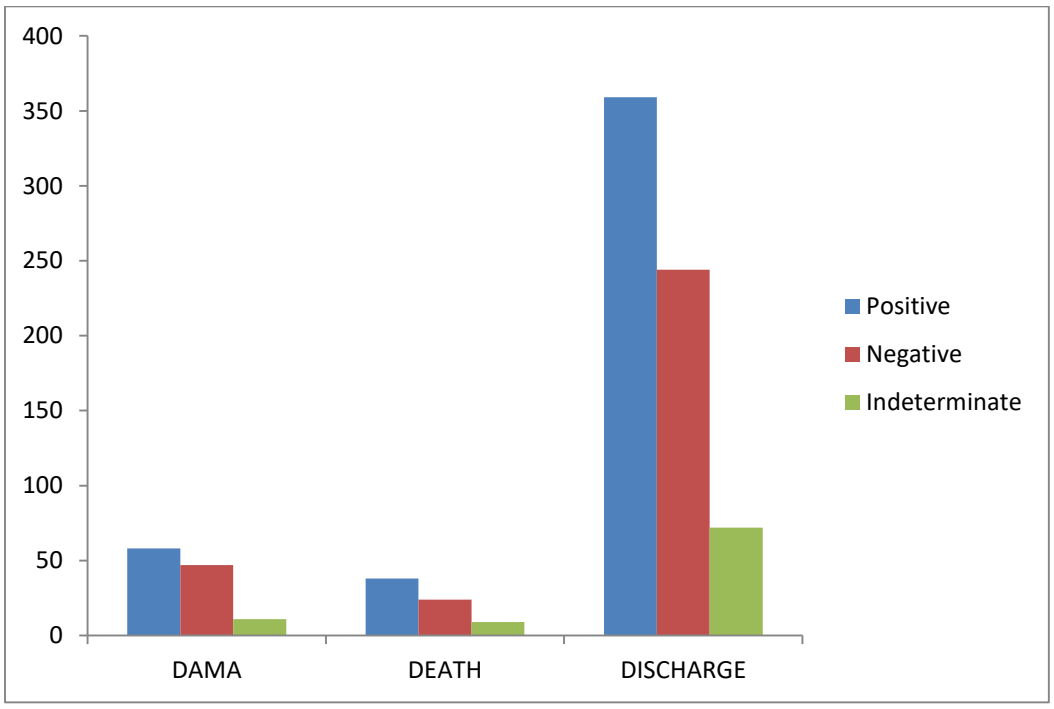

Figure 14: Correlation of positivity with outcome. (n=862)

DISCUSSION

This prospective study was conducted in the Department of Microbiology, Dayanand Medical College and Hospital, Ludhiana. A total of 862 patients of suspected invasive fungal infections were included in the study. The demographic, clinical and microbiological profiles of the enrolled patients were studied. Positivity of the (1-3)-β-D-glucan assay was analyzed.

Fungal infections have emerged as a worldwide health problem owing to extensive use of immunosuppressive agents and widespread use of antimicrobial agents. Invasive fungal infections (IFI) are one of the leading causes of morbidity and mortality among the immuno compromised and high risk patients. Intensive research is currently aimed at improving the diagnosis of IFI. Recently, particular emphasis was placed on the detection of fungal biomarkers within the biological samples.

In the present study of 862 consecutive cases of suspected invasive fungal infections, the mean age of the patients was 56.16 ±16.71 (range 19 yrs. to 101 yrs.). Similar observations were made by Ostrosky *et al* and Alexander Barbara *et al*. mean age of the patients was found to be 50.9 ± 16.63 (range 20 yrs. to 86 yrs.) in their study.[63,64] Another study conducted at Barnes-Jewish Hospital by Merrin K. reported the mean age of suspected IFI patients was reported as 61.4± 15.0 years(range,20-95).[65]

In our study, among suspected IFI patients, males were more (63.3%) as compared to females (36.7%). This may be explained by the fact that males are maximally exposed to fungal spores particularly working with decaying vegetation like moldy hay in agriculture. In consistent with our study other studies have reported male predominance of IFI. Alexander Barbara *et al*[64] observed that 55% of the enrolled patients were male as compared to 45.2% females. Similarly, Siraya Jaijakul *et al*[66] has reported more males(54%) as compared to females(46%).

Most common presentation in our study was fever (38.2%) followed by cough (34.9%), dyspnea (23.5%). In a study by N. Tutar *et al*[67] Dyspnea was more common. In congruous with our findings Meyer et al reported fever as most common symptom.[68]

In present study, the most common risk factor in the suspected IFI patients observed was increased ICU stay (54.75%) followed by persistent fever (38.2%), steroid use (36.0%), neutropenia (17.7%) and organ transplant (1.4%). Maximum number of patients were from intensive care units(71.1%), followed by Medical wards (27.7%) and Surgical wards(1.39%).Hospital stay of more than 7 days is an important risk factor for IFI. Among the patients admitted in ICU, 54.75% had a hospital stay of more than 7 days. In another study from a tertiary care hospital[69,70] in ICU showed 25.1% patients with ICU stay more than 7 days. The reason for more number of patients with prolonged stay in ICU in our study might be our institute being a premier tertiary care center in Punjab and critically ill patients from all the hospitals are referred here. A study by Shreya Singh *et al*[71] from PGI Chandigarh reported Prolonged antibiotic intake(60%) as most common risk factor for invasive fungal infections followed by ICU stay in (42.8%), Neutropenia (45.7%) and steroid intake(48.5%). While Herbrecht *et al*, reported hematological malignancies (63.2%) as the most common risk factor followed by hematopoietic stem cell transplantations (21.3%).[72]

Most of the literature available on (1-3)-β-D-glucan assay is from western countries there are very few studies available on BDG assay from India. The reason might be high cost of the test. The study conducted by Shreya S *et al*[71] from PGI Chandigarh is one of the first study from India evaluated the role of both serum GM and BDG assay in immunocompromised patients published in 2018**,** In the present study, (1-3)-β-D-glucan assay positivity was observed as 52.8%.The results were in consistent with the study by *Singh S et al* , they have reported 57.1% positivity of BDG assay among the total samples.[71] on the contrary,

Bansal *et al* has reported higher positivity of 90%,The reason of the high positivity was that all the patients enrolled were from ICU setting with confirmed candidemia.[73] High positivity could be because of the high sensitivity of the test. It helps to detect IFI at a an early stage before being detected clinically and warrants the use of empirical antifungal treatment

As per kit protocol >80pg/ml is cut-off for positive assay. In our study, the sensitivity and specificity at various interpretive cut-offs were analyzed which showed sensitivity of 100% and specificity of 51.5%,PPV 15.82%,NPV 100% and accuracy of 55.6% at a cut off of >80pg/ml. In our study by increasing the cutoff from 80, with observations done at different cutoffs started improving. In congruous with our findings the sensitivity and specificity of the BDG assay were 97.8% and 16.6%, respectively at cut-off of 80 pg/ml and 97.8% and 63.3% at a cut-off of 143.5 pg/ml was reported by *Bansal et al*(73).in contrast to Indian studies, various studies from western countries has reported high specificity at cutoff value of 80 pg/ml. *Alexander Barbara et al*[64] ,In their study reported the sensitivity and specificity 64.4% and 92.4% respectively, with a PPV of 89% and an NPV of 73% at cutoff 80 pg/ml. similarly another study conducted in Texas reported sensitivity of 78.0% and specificity of 98.4%.[74] Metan *et al* from Turkey reported the sensitivity & specificity of the (1-3)-β-D-glucan assay for invasive pulmonary Aspergillosis as 66% and 75.6%[75] respectively. Another prospective study in a tertiary care hospital from France reported the sensitivity, specificity as 77.8%, 92.5%respectively.[76] Our findings are similar to the study done in Belgium that reported significantly higher Serum (1-3)-β-D-glucan levels in patients with IA than patients without an IFI ($P < 0.01$) and similar to our study they have reported optimum sensitivity (85.7%) specificity (69.7%), PPV (54.5%) and NPV (92.0%) at the a cutoff of 140 pg/ml.[77] Compared to the Western countries, the environmental factors, fungal disease prevalence and patient characteristics vary in the Indian population, it is important to understand the performance of these tests in Indian settings

Receiver operating characteristic (ROC) curve was analyzed at various cut off points. The diagnostic accuracy given by the area under ROC curve (AUC) was 0.823. In another study similar diagnostic accuracy of 0.885[78] while higher diagnostic accuracy of 0.995 was observed in a study conducted by Singh S *et al*[71]

In present study, fungal smear was positive in 5.6% of the samples, while fungal culture positivity was observed in 8.35% of the (1-3)-β-D-glucan positive samples. Significant correlation was observed between (1-3)-β-D-glucan positive samples and fungal culture positivity with p values <0.05. In the study conducted by Cordonnier *et al*, patients with positive fungal smear for septate hyphae were seen in 6.6% and positive fungal culture in 71.4% patients.[79] Another study conducted at a tertiary care hospital reported fungal smear positivity of 44.8% and culture positivity of 55.2%.[80]

In the present study, Non albicans Candida (31.2%) were isolated more as compared to *Candida albicans* (5.7%). Among the Non albicans Candida species, most common was *Candida tropicalis* (20.9%) followed by *Candida stellatoidea* (7.5%) which is almost comparable to observations by Xess L *et al* with *C. tropicalis* (35.3%) ,C. *albicans* (21.5%), *C. parapsilosis* (20%)[81] and study by Chakrabarti A *et al C. tropicalis* (41.6%) and *C. albicans* 39.7% were reported.[82] This is in contrast to the developed world, Where Candida tropicalis is uniformly less common(5.6-12.0%)[83,84] than *Candida albicans*(45.0-74.0%) and *Candida glabrata*(16.7-22.6%)[83,84,85] In our study among the moulds *A. flavus* (4.2%) was found to be most common species isolated followed by *A. fumigatus* (1.1%). Which is consistent with the study by Xess *et al*, in which most common species isolated was *A. flavus* followed by *A. fumigatus*.[86] In contrast, study conducted by M. Subira showed that most common *Aspergillus* spp. isolated was A. fumigatus.[87]

In present study by using combination of two non-invasive tests, the (1-3)-β-D-glucan assay and the GM assay, the sensitivity

(20.2%),Specificity (92.86%), PPV (43.4%),NPV (81.14%) and accuracy (77.4%) were observed at BDG cutoff of >500 pg/ml. In another study by Pazos *et al*, (1-3)-β-D-glucan assay and GM assay showed sensitivity of 87.5% and specificity of 100% with NPV of 96.3% for the diagnosis of IFI.[79] In our study, suspected IFI due to yeast and moulds were included while other studies showed high sensitivity have included only invasive Aspergillosis cases.

In this study it was observed that among the patients on antifungal therapy ,88.2% showed decline in levels of BDG assay in a time period of 3-4 weeks and 11.8% showed no response to therapy. In another study[77] observing response to antifungal therapy it was observed that the patients who responded to therapy demonstrated a rapid decline in serum (1-3)-β-D-glucan concentrations(79.6%) within 2 weeks and values declined to normal range within 4 weeks of therapy (20.4%) . In contrast, a continuous increase in serum (1-3)-β-D-glucan concentrations was observed in those patients not responding to the treatment.

In the present study, it was observed among the patients positive for (1-3)-β-D-glucan 45.1% of were on piperacillin-tazobactam(PTZ), 39.1% of the patients were on Amoxiclav and 17.1% of the positive patients were on dialysis. In a study by B. liss *et al* to evaluate the effect of antimicrobials on BDG assay by it was observed that PTZ and Amoxiclav had high levels of glucan in them and PTZ had higher glucan content.[88] In a study conducted in Netherlands It was concluded that patients on PTZ and amoxiclav showed higher levels of (1-3)-β-D-glucan which decreased once the antibiotics were discontinued.[89] In a study conducted by Kato *et al* in Japan it was demonstrated that dialysis is one of the factor for raised (1-3)-β-D-glucan levels.[90] Another study of patients with IFI and positive (1-3)-β-D-glucan assay observed 30.5% patients were on dialysis.[91]

In present study 8.2% of the patients had a fatal outcome. Higher mortality Rate (25.7%) has been observed in a study conducted by Shreya

S *et al*[71] In a French study in HSCT patients with IFI mortality of 18% was observed[92] One of the reason behind decreased mortality in our study might be the early start of empirical antifungal treatment and regulated use of antibiotics based on the hospital antibiotic policy.

SUMMARY & CONCLUSION

- Total of 862 cases with requisition of (1-3)-β-D-glucan received in Microbiology lab were enrolled in our study
- Total of 862 samples received, 455 samples were positive for (1-3)-β-D-glucan assay.
- The mean age group of the patients was 56.16 with standard deviation of 16.71 (range 19 yrs to 101 yrs).
- Majority of patients were male (63.3%) as compared to females (36.7%).
- Apart from serum samples other samples received were Sputum (51.4%), Endotracheal secretions (40.6%), bronchoalveolar lavage (0.1%), Ascitic fluid (3.8%), Pleural fluid (1.9%), Bile fluid and biopsy in (1.4%).
- The most common risk factor amongst the patients was increased ICU stay (54.75%), persistent fever (38.2%) followed by steroid use (36.0%) and neutropenia (17.7%) and organ transplant in (1.4%).
- Among the study population most common underlying disease was Gastrointestinal tract disease followed by respiratory tract infections.
- Positivity of (1-3)-β-D-glucan assay in our study is reported as 52.8%.
- The diagnostic accuracy given by the area under ROC curve (AUC) was 0.823. The calculated cut-off gained by ROC analysis was >=142 pg/ml.
- Candida tropicalis was the most common isolate 94(20.7%).
- Senstivity and specificity of (1-3)-β-D-glucan assay was 79.2% and 70.3% at an optimum cut off of >=140 pg/ml.
- Out of total 455 positive samples, 115 (25.3%) samples were positive for both (1-3)-β-D-glucan assay and Galactomannan assay as well.
- Total of 37(8.1%) repeat samples were received from patients with positive (1-3)-β-D-glucan assay, from these 24 were positive in

repeat sample also but showed decrease in the value, 10 were negative whereas 3 samples showed indeterminate results.

- Out of 455 patients with (1-3)-β-D-glucan positive 17.1% patients were undergoing dialysis.
- Variables affecting the results of (1-3)-β-D-glucan assay were Patients on dialysis and administration of Piperacillin-Tazobactam to patients.
- Mortality was observed in 8.2% of the patients with positive (1-3)-β-D-glucan assay.
- Variables associated with poor outcome in patients were higher age group, positive (1-3)-β-D-glucan assay, Positive blood culture for Candida species and positive fungal smear/culture.

Diagnosing IFI in immunocompromised patients and those with haematological malignancies is immensely challenging. Fungal smear shows very less sensitivity whereas culture takes a long time therefore for the benefit of the patient and early start of empirical therapy, Detection of biomarkers such as (1-3)-β-D-glucan and GM is a ray of hope in providing accurate and rapid screening of IFI in this patient population. These biomarkers have the advantage of being rapid and use in diagnosis, prognosis and monitoring of therapy. Compared to the Western countries, the environmental factors including the fungal spore burden, fungal disease prevalence and patient characteristics vary in the Indian population. It is important to understand the performance of these tests in Indian settings. A good sensitivity and specificity make them valuable screening tools in our settings.

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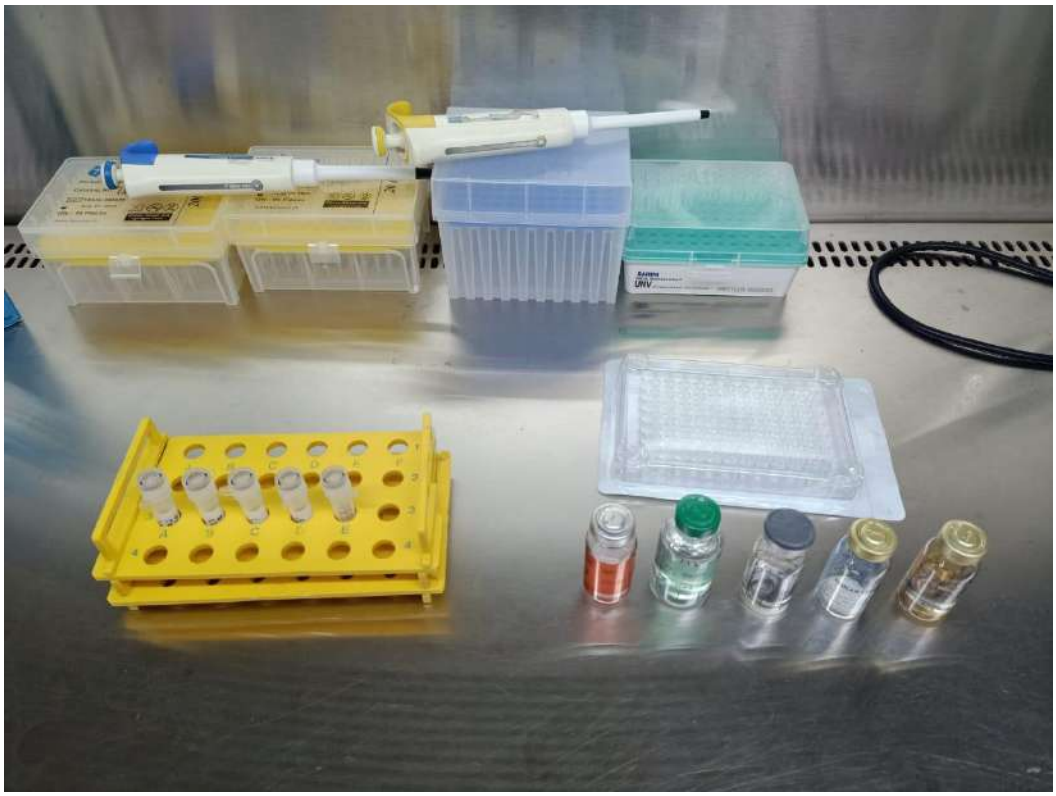
Fungitell ((1-3)-β-D-glucan) Kit

Reagents

Kinetic Reader



Standards, Reagents, ELISA tray

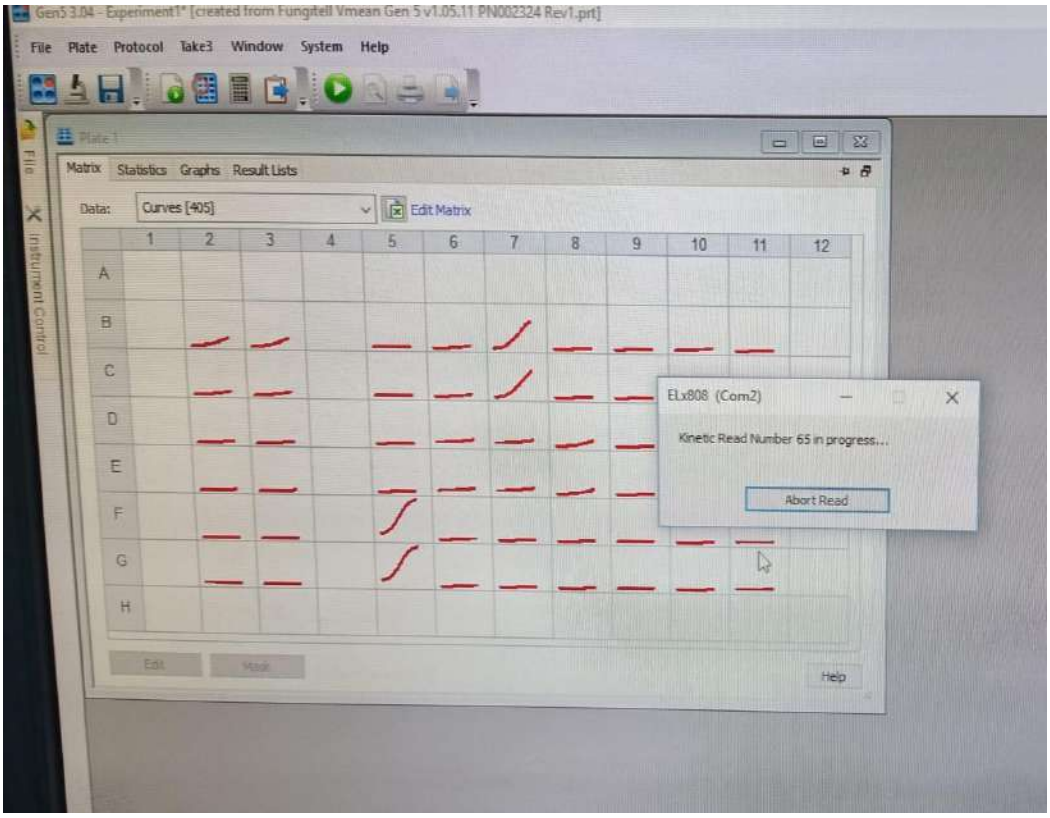

Gen5 3.04 - Experiment1* [created from Fungifell Vmean Gen 5 v1.05.11 PN002324 Rev1.prt]
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Plate 1
Matrix Statistics Graphs Result Lists
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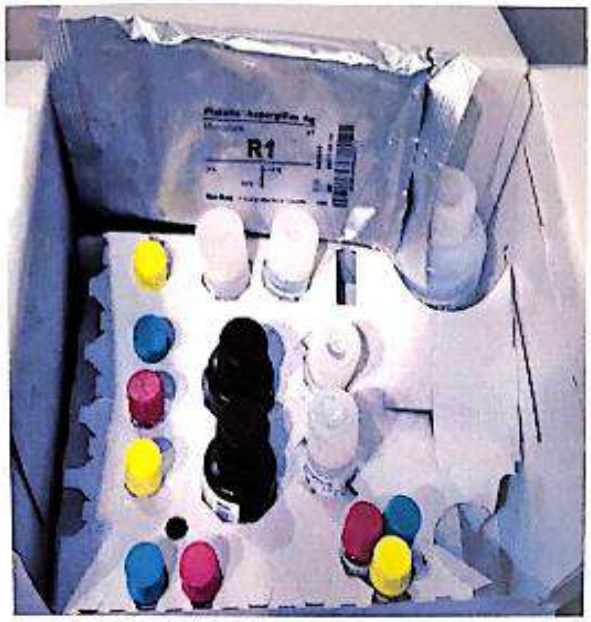
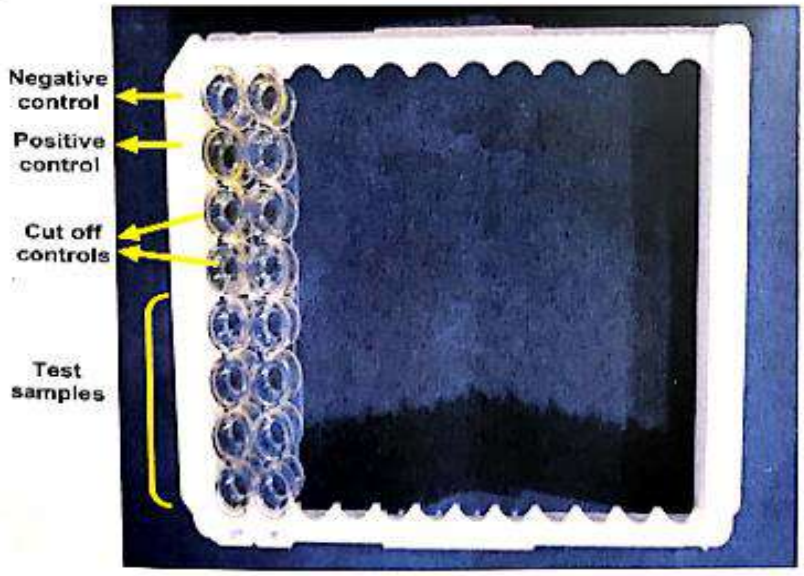


Platelia™ *Aspergillus* Antigen kit



Microtitre plate for Galactomannan antigen- ELISA

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
1	642918	R.S.C	48	3	M	1	EMG(HC)	MEDICAL WARD	9	28/12/2018	january	serum	129.17	P	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
2	634692	I.S	32	2	M	2	NEUROICU	ICU	7	29/12/2018	january	serum	38.39	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
3	612007	S.K.B	73	6	M	3	PCCU	ICU	7	29/12/2018	january	serum	111.96	P	-	-	-	-	-	2.32	P	Sputum	budding yeast like cells with pseudohyphae
4	640442	J.R	21	1	M	4	HDU	ICU	21	31/12/2018	january	serum	40.47	N	-	-	-	-	-	0.2	N	Sputum	budding yeast like cells with pseudohyphae
5	576483	N.A	63	5	F	5	EICU1	ICU	30	31/12/2018	january	serum	71.02	IND	-	-	-	-	-	0.79	P	Sputum	budding yeast like cells with pseudohyphae
6	645061	T.K	48	3	M	6	EICU1	ICU	25	2/1/2019	january	serum	185.01	P	-	-	-	-	-	0.32	N	Sputum	budding yeast like cells with pseudohyphae
7	642983	R.S	24	1	M	7	SICU	ICU	19	2/1/2019	january	serum	>523	P	Y	100	4/2/2019	>523	P	0.72	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
8	640837	P.K	71	6	F	8	HDU1	ICU	21	3/1/2019	january	serum	135.79	P	-	-	-	-	-	0.11	N	Sputum	budding yeast like cells with pseudohyphae
9	643278	A.S	61	5	M	9	EICU2	ICU	11	3/1/2019	january	serum	392.91	P	-	-	-	-	-	0.45	N	tissue	budding yeast like cells with pseudohyphae
10	641095	A.S	49	3	M	10	NSICU	ICU	31	3/1/2019	january	serum	49.23	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
11	616784	K.C	66	5	M	11	NS1	SURGICAL WARD	69	4/1/2019	january	serum	32.78	N	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
12	433916	U.R	64	5	F	12	DWARD	MEDICAL WARD	13	4/1/2019	january	serum	39.7	N	Y	425	28/05/2019	51.51	N	0.3	N	Sputum	budding yeast like cells with pseudohyphae
13	645587	P.A	56	4	M	13	EICU1	ICU	8	4/1/2019	january	serum	92.1	P	-	-	-	-	-	0.14	N	Sputum	budding yeast like cells with pseudohyphae
14	647334	P	27	1	F	14	GICU	ICU	4	5/1/2019	january	serum	108.38	P	-	-	-	-	-	0.29	N	Sputum	budding yeast like cells with pseudohyphae
15	647498	A.G	68	5	F	15	S-WARD	MEDICAL WARD	6	5/1/2019	january	serum	36.12	N	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
16	647920	H.S	79	6	M	16	EMG(HC)	MEDICAL WARD	14	8/1/2019	january	serum	>523	P	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
17	396584	F.S	66	5	M	17	PCCU	ICU	10	8/1/2019	january	serum	114.4	P	-	-	-	-	-	0.48	N	Sputum	budding yeast like cells with pseudohyphae
18	646660	R.K	67	5	M	18	ST-ICU	ICU	48	8/1/2019	january	serum	54.39	N	-	-	-	-	-	0.5	P	Sputum	No fungal elements seen
19	314550	K.S	54	4	M	19	EICU1	ICU	11	8/1/2019	january	serum	415.32	P	-	-	-	-	-	0.26	N	Endotracheal secretions	No fungal elements seen
20	623419	A.S	68	5	M	20	ONCO	ONCOLOGY	29	9/1/2019	january	serum	248.23	P	-	-	-	-	IND	0.16	N	Sputum	No fungal elements seen
21	636623	G.K	36	2	M	21	NS-1	SURGICAL WARD	34	9/1/2019	january	serum	114.11	P	-	-	-	-	-	0.03	N	Sputum	budding yeast like cells with pseudohyphae
22	194650	B.K	69	5	F	22	ICCU-III	ICU	12	9/1/2019	january	serum	71.25	IND	-	-	-	-	-	1.66	P	Endotracheal secretions	hyaline septate fungal hyphae
23	646345	D.S	58	4	M	23	T-ICU	ICU	59	9/1/2019	january	serum	76.14	IND	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
24	647911	T.K	48	3	M	24	DWARD	MEDICAL WARD	16	10/1/2019	january	serum	136.45	P	-	-	-	-	-	0.1	N	Sputum	hyaline septate fungal hyphae
25	651112	A.A	34	2	F	25	EICU2	ICU	26	12/1/2019	january	serum	11.39	N	Y	62	25/01/2019	35.5	N	0.13	N	Sputum	No fungal elements seen
26	366399	A.K	63	5	M	26	ICCU-II	ICU	18	12/1/2019	january	serum	30.8	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
27	650570	M.D.J	91	7	M	27	EMG(HC)	MEDICAL WARD	4	12/1/2019	january	serum	160.29	P	-	-	-	-	-	0.16	N	Sputum	No fungal elements seen
28	645791	M.K	31	2	F	28	EICU2	ICU	15	12/1/2019	january	serum	50.96	N	-	-	-	-	-	0.43	N	Sputum	budding yeast like cells with pseudohyphae
29	652930	P.K	59	4	F	29	EICU1	ICU	7	12/1/2019	january	serum	83.66	P	-	-	-	-	-	0.25	N	Sputum	budding yeast like cells with pseudohyphae
30	651074	J.S	59	4	M	30	NS-ICU	ICU	16	13/01/2019	january	serum	22.15	N	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
31	642455	G.R	43	3	M	31	MU-III	MEDICAL WARD	1	13/01/2019	january	serum	0	P	-	-	-	-	-	0.3	N	ascitic fluid	budding yeast like cells with pseudohyphae
32	651763	D.S	73	6	M	32	MU-IV	MEDICAL WARD	21	14/01/2019	january	serum	35.95	N	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
33	386544	N.L	59	4	M	33	ICCU-I	ICU	9	14/01/2019	january	serum	49.06	N	Y	206	4/3/2019	59.05	N	0.74	P	tissue	hyaline septate fungal hyphae
34	384419	P	49	3	F	34	ICCU	ICU	18	14/01/2019	january	serum	59	N	-	-	-	-	-	0.2	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
35	649605	S.S	30	1	M	35	NSICU	ICU	19	15/01/2019	january	serum	<7.81	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
36	642225	N.C	27	1	M	36	NSICU	ICU	46	15/01/2019	january	serum	37.63	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
37	646693	K.L	76	6	M	37	DWARD	MEDICAL WARD	19	16/01/2019	january	serum	69.81	IND	-	-	-	-	-	0.36	N	Sputum	budding yeast like cells with pseudohyphae
38	411828	S.S	90	7	M	38	DWARD	MEDICAL WARD	23	16/01/2019	january	serum	38.47	N	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
39	652953	H.K	49	3	F	40	EICU1	ICU	8	16/01/2019	january	serum	54.85	N	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
40	652962	S.K	71	6	M	42	TICU	ICU	14	16/01/2019	january	serum	17.73	N	Y	92	3/2/2019	27.91	N	0.07	N	Sputum	No fungal elements seen
41	619614	M.S.S	64	5	M	43	MICU	ICU	31	17/01/2019	january	serum	48.23	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
42	625565	J.K	76	6	M	44	NS-I	SURGICAL WARD	58	17/01/2019	january	serum	104.65	P	-	-	-	-	-	0.5	P	Sputum	No fungal elements seen
43	652894	B.S	35	2	M	45	EICU1	ICU	9	18/01/2019	january	serum	23.28	N	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
44	654888	S.R	61	5	F	48	BICU	ICU	8	20/01/2019	january	serum	72.01	IND	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
45	645485	A.R.S	74	6	F	49	EICU1	ICU	10	20/01/2019	january	serum	47.22	N	-	-	-	-	-	0.09	N	Endotracheal secretions	No fungal elements seen
46	156634	O.P.S	65	5	M	50	EICU1	ICU	11	20/01/2019	january	serum	149.29	P	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
47	656783	M.L	59	4	M	52	PICU	ICU	7	21/01/2019	january	serum	>523.43	P	-	-	-	-	-	1.12	P	Sputum	budding yeast like cells with pseudohyphae
48	655542	T.S	43	3	M	53	GICU	ICU	7	21/01/2019	january	serum	92.09	P	-	-	-	-	-	0.1	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
49	155493	R.K	62	5	F	55	ICCU	ICU	16	23/01/2019	january	serum	116.19	P	-	-	-	-	-	0.12	N	Sputum	budding yeast like cells with pseudohyphae
50	657485	S.S	61	5	M	56	EICU1	ICU	9	23/01/2019	january	serum	411.59	P	y	-	-	54.6	N	3.9	P	Endotracheal secretions	hyaline septate fungal hyphae
51	656703	H.S	66	5	M	57	EICU2	ICU	25	24/01/19	january	serum	>523	P	Y	67	27/01/2019	350.56	P	0.24	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
52	381687	T.S	36	2	M	58	ICCU-I	ICU	6	24/01/19	january	serum	107.46	P	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
53	658003	M.K	61	5	F	59	GICU	ICU	20	25/01/19	january	serum	47.51	N	-	-	-	-	-	0.11	N	Sputum	budding yeast like cells with pseudohyphae
54	659262	A.K	53	4	M	60	DWARD	MEDICAL WARD	52	25/01/2019	january	serum	73.26	IND	Y	293	9/4/2019	47.59	N	0.23	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
55	655493	K.C	83	7	M	61	HDU	ICU	19	25/01/19	january	serum	87.77	P	-	-	-	-	-	0.08	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
56	657566	G.K	47	3	F	65	EICU2	ICU	12	26/01/19	january	serum	68.72	IND	-	-	-	-	-	0.95	P	Sputum	No fungal elements seen
57	654762	A.S	35	2	M	69	PCCU	ICU	16	27/01/19	january	serum	17.29	N	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
58	659909	J.S	61	5	M	70	EICU1	ICU	2	27/01/19	january	serum	42.06	N	-	-	-	-	-	0.24	N	Sputum	budding yeast like cells with pseudohyphae
59	52221	J.S	68	5	M	71	PCCU	ICU	6	27/01/19	january	serum	50.6	N	Y	169	20/02/2019	29.19	N	0.42	N	Sputum	budding yeast like cells with pseudohyphae
60	270623	P.N	62	5	F	72	EICU1	ICU	16	27/01/19	january	serum	14.14	N	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
61	656864	S.D.S	83	7	M	73	MICU	ICU	19	27/01/19	january	serum	78.66	IND	Y	96	4/2/2019	34.3	N	0.19	N	Sputum	budding yeast like cells with pseudohyphae
62	658639	A.S	48	3	M	74	PCCU	ICU	8	28/01/19	january	serum	506.5	P	-	-	-	-	-	4.66	N	Sputum	No fungal elements seen
63	643988	B.K	71	6	M	76	ICCU	ICU	43	29/01/19	january	serum	51.7	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
64	134174	I.S	49	3	M	77	NSCU	ICU	16	29/01/19	january	serum	355.38	P	-	-	-	-	-	0.07	N	Sputum	budding yeast like cells with pseudohyphae
65	634097	G.S	29	1	M	78	GASTRO	MEDICAL WARD	12	29/01/19	january	serum	191.5	P	-	-	-	-	-	0.18	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
66	656899	P.K	46	3	M	79	SICU	ICU	19	29/01/19	january	serum	236.02	P	-	-	-	-	-	0.06	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
67	661801	B.K	66	5	F	80	NSICU	ICU	16	30/01/19	january	serum	>523.43	P	-	-	-	-	-	0.06	N	Sputum	budding yeast like cells with pseudohyphae
68	660122	S.K.G	53	4	M	81	EICU1	ICU	7	30/01/19	january	serum	42.35	N	-	-	-	-	-	0.33	N	Sputum	budding yeast like cells with pseudohyphae
69	656540	C.K	66	5	F	82	EICU1	ICU	17	30/01/19	january	serum	107.42	P	-	-	-	-	-	0.54	P	Sputum	No fungal elements seen
70	330245	G.S	59	4	M	83	EICU2	ICU	20	30/01/19	january	serum	350.98	P	-	-	-	-	-	0.08	N	Sputum	budding yeast like cells with pseudohyphae
71	651120	T.S	63	5	M	85	ORTHO	ICU	23	31/01/19	january	serum	244.67	P	-	-	-	-	-	0.16	N	Sputum	hyaline septate fungal hyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
1	642918	No growth	Y	No growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
2	634692	No growth	N	No growth	N	10.4	29	90	0.62	60	60	1.3	1.03	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3	612007	Candida stellatoidea	N	Klebsiella pneumoniae	N	9.7	10.6	93	1.43	396	810	1.25	1.48	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4	640442	No growth	N	Staphylococcus aureus	N	10.7	15.2	72	0.67	256	270	0.75	1.34	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
5	576483	Candida tropicalis	N	No growth	N	11.6	3.9	76	1.42	270	120	0.36	1.38	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
6	645061	Aspergillus flavus	Y	No growth	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
7	642983	No growth	Y	candida tropicalis	Y	11.9	27.5	280	4.22	195	269	4.48	5.64	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N
8	640837	No growth	Y	No growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
9	643278	Candida parapsilosis	N	No growth	N	10.5	50	169	3.05	54	60	1.25	1.35	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
10	641095	No growth	N	No growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	Y	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
11	616784	No growth	N	No growth	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	N	Y	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N
12	433916	Candida parapsilosis	N	No growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
13	645587	Candida albicans	N	No growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
14	647334	Candida tropicalis	N	No growth	Y	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15	647498	Aspergillus fumigatus	N	No growth	N	11.7	16.6	152	0.52	200	210	12	12.6	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16	647920	Candida tropicalis	N	candida albicans and klebsiella	N	10.7	24.3	233	7.02	61	65	0.55	1.21	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
17	396584	Candida tropicalis	N	No growth	N	8.1	40	57	1.46	60	60	1.2	1.25	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
18	646660	No growth	N	No growth	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	Y	N	N
19	314550	Candida albicans	N	No growth	N	11.4	10.5	72	1.53	176	192	3.5	4.86	N	Y	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
20	623419	Candida tropicalis	N	E coli	Y	9.5	12.6	111	3.57	225	250	0.32	0.36	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N
21	636623	Candida tropicalis	N	No growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
22	194650	No growth	N	No growth	N	11.3	3.9	103	1.79	60	65	0.33	1.31	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
23	646345	No growth	N	No growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
24	647911	Aspergillus fumigatus	N	No growth	N	11.9	12.7	106	1.22	51	50	0.73	1.25	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
25	651112	No growth	N	No growth	N	11.9	23.7	120	0.44	203	137	1.25	1.35	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
26	366399	No growth	Y	Staphylococcus haemolyticus	N	9.6	11.5	114	0.69	75	66	16.25	21.09	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
27	650570	No growth	Y	No growth	N	9.5	20.6	90	2.72	242	108	0.63	1.23	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
28	645791	No growth	Y	No growth	N	-	10.8	60	1.69	163	42	9.77	11.1	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
29	652930	No growth	N	No growth	N	11.4	26.1	85	1.23	45	42	0.37	0.4	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
30	651074	No growth	N	No growth	N	11.1	20.9	9	0.5	51	55	0.78	1.03	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
31	642455	Candida tropicalis	N	No growth	Y	18.5	10.6	-	-	1139	678	0.32	0.25	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
32	651763	No growth	N	No growth	N	10.3	25.4	-	-	241	204	0.62	0.52	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
33	386544	Aspergillus flavus	N	-	N	11.2	-	92	2.05	-	42	0.33	1.2	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
34	384419	Candida parapsilosis	N	No growth	N	11.6	13.1	75	1.3	95	79	1.86	2.82	N	N	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
35	649605	No growth	N	No growth	N	17.4	23.6	-	-	74	93	1.82	1.21	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
36	642225	No growth	N	No growth	N	11.7	15.3	-	-	67	87	0.32	0.33	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
37	646693	No growth	N	No growth	N	10.5	13.8	68	1.5	1037	565	1.87	2.04	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
38	411828	No growth	N	E coli	N	11.3	11	61	1.15	59	87	-	-	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
39	652953	No growth	N	No growth	N	11.1	26.8	123	-	94	58	0.91	1.77	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
40	652962	No growth	N	Candida tropicalis	N	9.8	14	58	0.43	-	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
41	619614	No growth	N	Acinetobacter baumannii	N	11.6	11.3	55	0.66	87	73	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
42	625565	Candida albicans	N	No growth	N	10.6	14.6	56	1.38	-	-	0.36	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
43	652894	No growth	N	Staphylococcus epidermidis	N	9.4	21	-	0.57	103	44	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
44	654888	No growth	N	No growth	N	10.6	10.4	-	-	-	-	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
45	645485	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
46	156634	Candida tropicalis	N	E coli	N	11.7	10.7	-	0.68	-	-	-	-	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
47	656783	Candida tropicalis	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
48	655542	Candida tropicalis	N	No growth	N	7.6	18.8	52	-	41	-	1.09	1.55	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
49	155493	No growth	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
50	657485	Aspergillus fumigatus	N	No growth	N	11.5	2.6	52	-	343	68	0.99	1.54	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
51	656703	Candida albicans	Y	Staphylococcus epidermidis	N	8.9	24.9	145	4.95	159	98	6.29	6.32	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
52	381687	No growth	N	No growth	Y	11.4	1.4	8	0.68	115	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
53	658003	Candida tropicalis	N	No growth	N	9.2	11.3	-	1.31	-	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
54	659262	Candida tropicalis	N	Acinetobacter baumannii	N	7.6	5.3	112	1.46	51	51	0.54	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
55	655493	Candida parapsilosis	N	No growth	Y	11.6	51	-	0.59	46	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
56	657566	No growth	N	Acinetobacter baumannii	N	8.3	17	59	-	124	93	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
57	654762	No growth	N	elizabethkingia meningoseptica	N	11.4	3.3	62	0.66	113	44	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
58	659909	No growth	N	No growth	N	10.2	21	-	0.64	130	54	1.8	2.42	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
59	52221	Candida stellatoidea	N	No growth	N	11.3	10.9	-	-	-	48	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
60	270623	No growth	N	No growth	N	10.6	10.6	-	0.4	50	49	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
61	656864	Candida tropicalis	N	Candida tropicalis	N	10.6	11.4	77	3.98	82	45	0.51	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
62	658639	Candida albicans	N	No growth	N	11.6	10.3	62	2.16	70	45	0.31	-	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
63	643988	No growth	N	No growth	N	9.5	19.1	63	1.77	129	106	-	-	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
64	134174	Candida tropicalis	N	No growth	N	9.4	-	54	-	117	49	9.72	5.11	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
65	634097	Candida parapsilosis	Y	No growth	N	10.2	20.9	-	1.23	94	-	21.24	26.59	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
66	656899	Candida tropicalis	Y	candida tropicalis	N	9.8	210	54	1.37	83	62	-	-	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
67	661801	No growth	Y	No growth	N	9	-	79	3.91	-	-	13.74	13.97	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
68	660122	No growth	Y	No growth	Y	8.5	-	91	1.66	-	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
69	656540	No growth	Y	No growth	N	11.7	10.8	69	1.2	202	83	0.41	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
70	330245	No growth	Y	No growth	N	7.7	11.4	187	9.77	-	-	-	-	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
71	651120	Aspergillus fumigatus	Y	Candida tropicalis	N	9.7	13.2	-	1.83	46	-	-	-	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
1	642918	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	Y	N	N	N	N	DISCHARGED
2	634692	ROAD SIDE ACCIDENT,CONTUSIONS	Miscellaneous	N	Y	N	N	Y	Y	N	N	N	N	DAMA
3	612007	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	Y	N	DISCHARGED
4	640442	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	Y	N	Y	N	N	Y	DISCHARGED
5	576483	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	Y	N	Y	N	N	N	DAMA
6	645061	RSA,HI	Miscellaneous	N	N	N	N	N	N	N	N	N	N	DAMA
7	642983	Electric burns	Miscellaneous	Y	Y	Y	Y	N	Y	Y	Y	N	Y	DISCHARGED
8	640837	Chronic renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DAMA
9	643278	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
10	641095	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	Y	Y	N	N	N	DISCHARGED
11	616784	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	Y	Y	Y	N	Y	Y	Y	N	N	DISCHARGED
12	433916	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	N	Y	N	Y	N	Y	N	N	N	DISCHARGED
13	645587	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	Y	N	N	Y	Y	N	Y	DAMA
14	647334	Chronic renal failure	RENAL DISEASE	N	N	N	N	N	Y	N	N	N	Y	DISCHARGED
15	647498	SEIZURES	NEUROLOGICAL DISEASE	N	N	N	N	N	Y	N	N	Y	N	DISCHARGED
16	647920	RSA	Miscellaneous	Y	Y	Y	Y	N	Y	Y	Y	N	N	DISCHARGED
17	396584	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
18	646660	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	Y	Y	Y	N	Y	Y	N	N	DISCHARGED
19	314550	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	Y	N	N	N	Y	N	N	N	DAMA
20	623419	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	Y	N	Y	N	DAMA
21	636623	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	N	N	Y	N	DISCHARGED
22	194650	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	Y	N	Y	Y	Y	N	N	DISCHARGED
23	646345	PNEUMONIA	Miscellaneous	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
24	647911	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	N	N	N	Y	N	N	N	Y	DISCHARGED
25	651112	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	N	N	Y	N	N	N	DISCHARGED
26	366399	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	Y	N	N	N	N	N	DAMA
27	650570	RSA,HI	Miscellaneous	Y	N	N	N	N	N	N	N	Y	Y	DISCHARGED
28	645791	meningitis	NEUROLOGICAL DISEASE	N	N	Y	N	Y	N	N	N	Y	N	DISCHARGED
29	652930	Fall from height,BTC	Miscellaneous	N	N	N	N	N	N	N	N	N	N	DAMA
30	651074	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	Y	Y	N	N	Y	N	DEATH
31	642455	Electric burns/shock/multi organ failure	Miscellaneous	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
32	651763	Electric burns	Miscellaneous	N	Y	Y	N	Y	N	N	N	Y	N	DISCHARGED
33	386544	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	Y	N	N	Y	N	N	N	DISCHARGED
34	384419	meningitis	NEUROLOGICAL DISEASE	Y	N	N	Y	N	Y	Y	N	N	N	DEATH
35	649605	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	Y	Y	Y	N	Y	N	N	DISCHARGED
36	642225	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	Y	N	N	N	N	N	DISCHARGED
37	646693	Chronic renal failure	RENAL DISEASE	N	N	Y	N	Y	N	N	Y	N	N	DISCHARGED
38	411828	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	Y	Y	Y	Y	N	N	DISCHARGED
39	652953	Flame burns	Miscellaneous	Y	Y	N	Y	N	N	N	N	N	N	DAMA
40	652962	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	Y	Y	N	N	N	DISCHARGED
41	619614	Surgical Procedures	RENAL DISEASE	N	N	Y	Y	Y	N	N	N	N	N	DEATH
42	625565	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	N	N	Y	N	Y	N	N	N	Y	DISCHARGED
43	652894	RSA,HI	Miscellaneous	N	N	Y	N	Y	N	Y	Y	N	N	DEATH
44	654888	Chronic renal failure	RENAL DISEASE	N	Y	Y	Y	Y	Y	N	Y	N	N	DISCHARGED
45	645485	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	Y	N	Y	N	N	Y	DISCHARGED
46	156634	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	Y	N	N	N	N	DISCHARGED
47	656783	Flame burns	Miscellaneous	Y	Y	Y	N	Y	N	N	N	Y	Y	DISCHARGED
48	655542	HTN,encephalopathy	Miscellaneous	N	N	N	Y	N	N	N	N	N	N	DEATH
49	155493	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	Y	N	N	N	DISCHARGED
50	657485	Complicated falciparum malaria	TROPICAL FEVER	N	N	Y	Y	Y	N	N	Y	N	Y	DAMA
51	656703	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DEATH
52	381687	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	N	N	Y	N	N	N	N	N	DEATH
53	658003	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	Y	Y	Y	N	DISCHARGED
54	659262	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
55	655493	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	Y	Y	Y	N	Y	N	Y	N	DISCHARGED
56	657566	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	Y	N	Y	N	N	N	N	N	DAMA
57	654762	PUO,Shock	Miscellaneous	Y	N	Y	Y	N	N	Y	N	Y	N	DISCHARGED
58	659909	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
59	52221	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
60	270623	RSA,HI	Miscellaneous	N	Y	N	Y	N	N	Y	N	Y	N	DISCHARGED
61	656864	Electrical burns	Miscellaneous	N	N	Y	Y	N	N	Y	N	Y	N	DEATH
62	658639	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	Y	N	Y	N	DISCHARGED
63	643988	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	Y	Y	N	N	Y	Y	Y	N	DISCHARGED
64	134174	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
65	634097	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	Y	N	DISCHARGED
66	656899	Chronic renal failure	RENAL DISEASE	N	N	N	Y	N	N	Y	N	Y	N	DEATH
67	661801	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	Y	N	N	N	N	N	DISCHARGED
68	660122	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	Y	Y	Y	Y	DAMA
69	656540	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	Y	Y	N	Y	N	DISCHARGED
70	330245	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	Y	N	N	Y	Y	Y	N	DISCHARGED
71	651120	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
72	658664	H.L.S	73	6	M	86	ONCOWARD	ONCOLOGY	16	31/01/19	january	serum	423.88	P	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
73	654938	S.S	55	4	M	87	SICU	ICU	15	31/01/19	january	serum	437.98	P	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
74	659889	SU.S	71	6	M	88	ONCOWARD	ONCOLOGY	10	31/01/19	january	serum	140.15	P	-	-	-	-	-	0.31	N	Sputum	budding yeast like cells with pseudohyphae
75	655446	P.P	56	4	M	89	ICCU	ICU	28	31/01/19	january	serum	185.5	P	-	-	-	-	-	0.1	N	biopsy	budding yeast like cells with pseudohyphae
76	581621	G.K	71	6	F	90	EICU2	ICU	6	1/2/2019	february	serum	>523.00	P	-	-	-	-	-	2	P	Sputum	budding yeast like cells with pseudohyphae
77	444518	U.K	60	4	F	93	GICU	ICU	13	3/2/2019	february	serum	138.8	P	-	-	-	-	-	0.25	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
78	614502	R.S	68	5	F	94	GASTRO	MEDICAL WARD	7	4/2/2019	february	serum	100.97	P	-	-	-	-	-	0.6	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
79	660248	MU.S	72	6	M	95	TICU	ICU	27	4/2/2019	february	serum	25.69	N	-	-	-	-	-	0.07	N	Sputum	budding yeast like cells with pseudohyphae
80	660145	N.C	51	4	M	96	TICU	ICU	45	4/2/2019	february	serum	50.58	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
81	657851	R.V	78	6	F	98	SICU	ICU	22	4/2/2019	february	serum	123.6	P	-	-	-	-	-	0.96	P	Sputum	hyaline septate fungal hyphae
82	659332	M.R	43	3	M	101	NSICU	ICU	18	5/2/2019	february	serum	10.91	N	-	-	-	-	-	0.22	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
83	393778	D.J	64	5	M	103	ICCU	ICU	17	5/2/2019	february	serum	100.7	P	-	-	-	-	-	0.04	N	Sputum	budding yeast like cells with pseudohyphae
84	663194	A.R	65	5	F	105	EICU2	ICU	21	5/2/2019	february	serum	153.58	P	-	-	-	-	-	0.11	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
85	655800	R.K	55	4	M	106	PCCU	ICU	20	6/2/2019	february	serum	238	P	-	-	-	-	-	0.12	N	Sputum	budding yeast like cells with pseudohyphae
86	153605	A.K	63	5	F	107	FWARD	MEDICAL WARD	17	6/2/2019	february	serum	>523.00	P	-	-	-	-	-	0.76	P	drain fluid	budding yeast like cells with pseudohyphae
87	293827	S.S	84	7	F	108	DWARD	MEDICAL WARD	26	6/2/2019	february	serum	62.7	IND	Y	309	15/04/2019	7.8	N	0.52	P	Sputum	budding yeast like cells with pseudohyphae
88	665236	P.K	45	3	F	109	HDU-II	ICU	7	6/2/2019	february	serum	>523.00	P	-	-	-	-	-	1.25	P	Endotracheal secretions	hyaline septate fungal hyphae
89	661404	S.K	35	2	M	111	ENDO	MEDICAL WARD	10	6/2/2019	february	serum	76.11	IND	-	-	-	-	-	0.01	N	Endotracheal secretions	No fungal elements seen
90	665364	H.M.S	72	6	M	112	NSICU	ICU	4	7/2/2019	february	serum	75.07	IND	-	-	-	-	-	0.15	N	Endotracheal secretions	No fungal elements seen
91	666128	S.K	65	5	F	113	EICU1	ICU	8	7/2/2019	february	serum	104.33	P	-	-	-	-	-	0.06	N	Sputum	budding yeast like cells with pseudohyphae
92	147815	R.S	66	5	M	114	DWARD	MEDICAL WARD	13	7/2/2019	february	serum	125.08	P	-	-	-	-	-	0.82	P	Sputum	budding yeast like cells with pseudohyphae
93	667322	S.R	60	4	F	115	EICU1	ICU	6	7/2/2019	february	serum	43.89	N	-	-	-	-	-	0.23	N	biopsy	budding yeast like cells with pseudohyphae
94	666150	G.K	48	3	F	116	HDU-II	ICU	12	7/2/2019	february	serum	53.88	N	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
95	659930	M.L	63	5	M	117	MICU	ICU	17	7/2/2019	february	serum	45.67	N	-	-	-	-	-	0.18	N	Sputum	No fungal elements seen
96	666878	J.S	65	5	M	118	EICU1	ICU	16	7/2/2019	february	serum	52.45	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
97	661834	B.R	73	6	M	120	ICCU	ICU	19	7/2/2019	february	serum	55.34	N	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
98	351373	B.K	57	4	F	121	NSICU	ICU	14	7/2/2019	february	serum	94.67	P	-	-	-	-	-	0.6	N	Sputum	budding yeast like cells with pseudohyphae
99	360711	M.K	70	5	F	122	NSICU	ICU	16	7/2/2019	february	serum	89.85	P	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
100	496049	P.K	68	5	M	123	PCCU	ICU	15	7/2/2019	february	serum	110.33	P	-	-	-	-	-	0.17	N	Sputum	budding yeast like cells with pseudohyphae
101	661810	M.L	73	6	M	124	EICU2	ICU	11	8/2/2019	february	serum	>523.00	P	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
102	180016	U.S	75	6	M	126	ONCO	ONCOLOGY	6	9/2/2019	february	serum	<7.8	N	-	-	-	-	-	0.02	N	Sputum	No fungal elements seen
103	667378	H.S	54	4	M	127	MU-III	MEDICAL WARD	22	9/2/2019	february	serum	259.45	P	Y	234	12/3/2019	95.36	P	0.19	N	Sputum	budding yeast like cells with pseudohyphae
104	664539	A.M	59	4	M	128	DWARD	MEDICAL WARD	69	9/2/2019	february	serum	264.89	P	Y	303	12/4/2019	7.8	N	0.86	P	Sputum	budding yeast like cells with pseudohyphae
105	667714	R.R.S	77	6	F	129	FW371	MEDICAL WARD	4	10/2/2019	february	serum	195.83	P	-	-	-	-	-	0.15	N	Sputum	budding yeast like cells with pseudohyphae
106	663202	M.S	70	5	M	131	ORTHO	SURGICAL WARD	22	10/2/2019	february	serum	274.3	P	-	-	-	-	-	0.09	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
107	656791	M.K	81	7	F	132	EMG(HC)	MEDICAL WARD	26	10/2/2019	february	serum	136.2	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
108	658253	S.G	53	4	M	134	EMG(HC)	MEDICAL WARD	28	11/2/2019	february	serum	202.61	P	-	-	-	-	-	1.26	P	Sputum	hyaline septate fungal hyphae
109	631927	P.C.M	66	5	M	135	FW251	MEDICAL WARD	13	11/2/2019	february	serum	91.99	P	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
110	20952	T.P	49	3	F	136	DWARD	MEDICAL WARD	15	11/2/2019	february	serum	89.32	P	-	-	-	-	-	0.15	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
111	669502	V.K	44	3	M	138	EICU1	ICU	3	11/2/2019	february	serum	48.29	N	-	-	-	-	-	0.12	N	Endotracheal secretions	No fungal elements seen
112	669524	S.K.G	68	5	M	139	EICU1	ICU	10	11/2/2019	february	serum	64.52	IND	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
113	660021	S.S	21	1	M	140	TICU	ICU	48	12/2/2019	february	serum	79.14	IND	-	-	-	-	-	0.13	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
114	667402	S.B	63	5	F	142	EMG(HC)	MEDICAL WARD	6	12/2/2019	february	serum	278.44	P	-	-	-	-	-	0.54	P	Endotracheal secretions	No fungal elements seen
115	666874	K.K	46	3	M	143	ORTHO	SURGICAL WARD	15	13/02/2019	february	serum	109.28	P	-	-	-	-	-	1.39	P	Sputum	hyaline septate fungal hyphae
116	406663	R.K	52	4	M	144	CATHCCU	ICU	7	13/02/2019	february	serum	334.59	P	-	-	-	-	-	1.02	P	Sputum	budding yeast like cells with pseudohyphae
117	665711	D.S	58	4	M	145	ORTHO	SURGICAL WARD	9	13/02/2019	february	serum	255.7	P	-	-	-	-	-	0.27	N	Endotracheal secretions	No fungal elements seen
118	663119	IND	66	5	M	147	EMG(HC)	MEDICAL WARD	12	13/02/2019	february	serum	78.85	IND	-	-	-	-	-	0.04	N	Endotracheal secretions	No fungal elements seen
119	670999	B.K	56	4	M	148	EICU1	ICU	8	14/02/2019	february	serum	68.79	IND	-	-	-	-	-	0.14	N	Endotracheal secretions	hyaline septate fungal hyphae
120	664534	J.K	66	5	F	150	SICU	ICU	17	14/02/2019	february	serum	43.88	N	-	-	-	-	-	0.86	P	Sputum	budding yeast like cells with pseudohyphae
121	666871	B.S	78	6	M	151	PCCU	ICU	19	15/02/2019	february	serum	>523	P	-	-	-	-	-	0.55	P	Sputum	hyaline septate fungal hyphae
122	672229	A.V	46	3	F	154	MU-III	MEDICAL WARD	6	16/02/2019	february	serum	28.2	N	-	-	-	-	-	1.4	P	Sputum	budding yeast like cells with pseudohyphae
123	370934	N.K	71	6	F	155	EICU1	ICU	57	16/02/2019	february	serum	58.58	N	Y	172	20/03/2019	59.5	N	0.83	P	Sputum	budding yeast like cells with pseudohyphae
124	667329	C.K	61	5	F	157	EMG(HC)	MEDICAL WARD	1	17/02/2019	february	serum	169.22	P	-	-	-	-	-	0.5	P	Sputum	budding yeast like cells with pseudohyphae
125	672797	R.N	76	6	F	159	EICU2	ICU	14	17/02/2019	february	serum	122.52	P	-	-	-	-	-	0.2	N	Sputum	budding yeast like cells with pseudohyphae
126	667912	G.S	81	7	F	160	SICU	ICU	17	18/02/2019	february	serum	62.39	IND	-	-	-	-	-	0.3	N	drain fluid	budding yeast like cells with pseudohyphae
127	670300	P.K	64	5	F	161	PCCU	ICU	12	18/02/2019	february	serum	344.66	P	-	-	-	-	-	0.37	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
128	654331	N.K	60	4	M	163	MICU	ICU	4	18/02/2019	february	serum	<7.8	N	-	-	-	-	-	0.14	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
129	200476	G.K	79	6	F	165	SKIN	MEDICAL WARD	5	19/02/2019	february	serum	242.93	P	-	-	-	-	-	0.12	N	pleural fluid	budding yeast like cells with pseudohyphae
130	245315	V.G	66	5	M	166	STR-ICU	ICU	18	19/02/2019	february	serum	428.38	P	-	-	-	-	-	0.11	N	bile fluid	No fungal elements seen
131	667356	R.C	47	3	F	167	DWARD	MEDICAL WARD	28	19/02/2019	february	serum	<7.8	N	Y	196	23/03/2019	37.2	N	1.5	P	Sputum	No fungal elements seen
132	672785	A.S	68	5	M	168	EICU1	ICU	11	19/02/2019	february	serum	<7.8	N	-	-	-	-	-	0.1	N	ascitic fluid	No fungal elements seen
133	664478	R.K	78	6	M	172	PCCU	ICU	25	21/02/2019	february	serum	133.91	P	-	-	-	-	-	0.03	N	Endotracheal secretions	hyaline septate fungal hyphae
134	675720	R.K	48	3	M	174	EICU1	ICU	8	21/02/2019	february	serum	36.85	N	-	-	-	-	-	0.2	N	ascitic fluid	No fungal elements seen
135	579941	A.L.G	77	6	M	176	STR-ICU	ICU	19	23/02/2019	february	serum	109.07	P	-	-	-	-	-	0.02	N	Sputum	budding yeast like cells with pseudohyphae
136	677017	R.M	58	4	M	179	PCCU	ICU	10	24/02/2019	february	serum	239.9	P	-	-	-	-	-	0.27	N	Endotracheal secretions	No fungal elements seen
137	677250	N.K	38	2	M	180	PCCU	ICU	20	24/02/2019	february	serum	35.38	N	Y	206	7/3/2019	14.82	N	0.26	N	Endotracheal secretions	No fungal elements seen
138	676489	REE	46	3	F	183	HDU-II	ICU	3	26/02/2019	february	serum	40.2	N	-	-	-	-	-	0.18	N	Sputum	No fungal elements seen
139	675781	M.K	66	5	F	184	MICU	ICU	21	26/02/2019	february	serum	83.71	P	Y	240	14/03/2019	42.6	N	0.74	P	Sputum	hyaline septate fungal hyphae
140	594098	O.P.B	78	6	M	185	MICU	ICU	16	26/02/2019	february	serum	>523	P	Y	199	2/3/2019	>523	P	0.26	N	pleural fluid	budding yeast like cells with pseudohyphae
141	677230	S.D	45	3	F	188	HDU	ICU	8	27/02/2019	february	serum	88.05	P	-	-	-	-	-	0.16	N	Endotracheal secretions	No fungal elements seen
142	674907	R.R.D	56	4	F	191	DWARD	MEDICAL WARD	30	27/02/2019	february	serum	117.08	P	Y	244	15/03/2019	145.6	P	0.4	N	Endotracheal secretions	No fungal elements seen

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
72	658664	Candida albicans	Y	No growth	N	13.1	12.7	179	3.66	-	-	-	-	Y	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
73	654938	Candida tropicalis	Y	No growth	N	10.8	19.8	86	1.34	43	99	-	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
74	659889	No growth	Y	No growth	N	10.7	12.7	-	0.64	-	-	0.39	-	Y	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
75	655446	Candida tropicalis	Y	No growth	N	10.6	11	-	0.67	64	-	-	-	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
76	581621	Candida tropicalis	Y	No growth	N	11.2	10.6	114	-	57	-	0.43	1.34	N	Y	N	Y	N	Y	N	Y	N	N	Y	N	N	N	Y	N	N	N
77	444518	No growth	Y	No growth	N	7.2	-	64	1.36	-	-	0.35	1.28	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
78	614502	Candida parapsilosis	Y	No growth	N	8.1	11.5	-	0.48	67	-	5.12	7.11	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
79	660248	No growth	Y	Klebsiella pneumoniae	N	10.7	-	54	1.33	-	-	-	-	N	N	N	Y	Y	Y	N	N	N	N	N	Y	N	N	N	Y	N	N
80	660145	Candida tropicalis	Y	No growth	N	8.7	18.6	-	0.67	-	-	-	-	N	N	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N	N
81	657851	No growth	Y	No growth	N	10.9	14.8	8	0.49	-	-	0.73	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N
82	659332	No growth	N	No growth	N	9.8	12.4	-	0.6	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
83	393778	No growth	N	No growth	N	9.7	20.8	93	2.19	-	-	1.65	2.73	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
84	663194	Aspergillus fumigatus	Y	No growth	N	11.9	15.2	194	4.18	51	72	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
85	655800	Candida tropicalis	Y	No growth	N	11.4	13.5	54	4.75	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
86	153605	Candida albicans	N	No growth	Y	9.8	28.3	100	0.41	131	235	-	-	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N
87	293827	Candida tropicalis	Y	No growth	N	10.7	12.3	67	1.35	183	-	0.35	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
88	665236	No growth	Y	No growth	N	10.6	29.9	100	1.85	222	120	-	-	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
89	661404	No growth	N	No growth	N	10	12.7	53	2.39	-	-	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
90	665364	Candida tropicalis	N	No growth	N	11.2	4	-	1.54	111	92	4.31	5.09	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
91	666128	No growth	N	No growth	N	11.5	10.3	51	1.2	50	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
92	147815	Candida albicans	Y	No growth	N	11	30.4	50	1.53	112	51	0.66	1.73	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N
93	667322	Candida parapsilosis	Y	No growth	Y	11.5	-	-	-	70	61	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
94	666150	No growth	Y	No growth	N	7.9	10.3	115	3.13	88	103	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
95	659930	Candida albicans	Y	Staphylococcus aureus	N	9.2	20.3	-	-	83	71	-	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
96	666878	No growth	N	No growth	N	11.8	11.6	-	-	-	-	0.32	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
97	661834	No growth	N	No growth	N	11.8	11.6	-	-	77	67	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
98	351373	No growth	N	Klebsiella pneumoniae	N	12	-	113	2.23	42	-	0.34	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
99	360711	No growth	N	No growth	N	8.1	14.9	177	6.58	-	-	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
100	496049	No growth	N	citrobacter freundii	N	13	13.4	67	0.5	44	-	0.32	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
101	661810	No growth	Y	No growth	N	12.5	30.9	75	1.37	46	103	0.57	1.25	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
102	180016	No growth	N	No growth	Y	10.6	-	-	0.66	40	42	0.3	-	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
103	667378	Candida parapsilosis	Y	Staphylococcus haemolyticus	N	11.6	24.2	-	0.51	47	83	0.45	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
104	664539	No growth	Y	Acinetobacter baumannii	Y	11.8	3.2	58	0.63	77	80	5	-	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
105	667714	No growth	N	No growth	N	7.6	10.2	-	0.54	52	53	0.39	-	N	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N
106	663202	No growth	Y	Staphylococcus haemolyticus	N	11.5	10.8	69	1.65	-	-	0.5	0.69	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
107	656791	No growth	Y	No growth	N	8.4	10.7	106	3.13	-	-	0.32	0.42	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
108	658253	No growth	Y	Acinetobacter baumannii	N	10.9	11.7	112	2.82	70	75	-	-	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
109	631927	Candida tropicalis	Y	stenotrophomonas maltophila	N	8.4	10.8	63	3.13	55	58	0.23	0.5	N	N	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
110	20952	No growth	Y	No growth	N	10	14.9	64	1.6	50	50	0.3	0.4	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
111	669502	Candida tropicalis	N	No growth	N	7.9	3.4	112	50	63	87	0.2	0.12	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
112	669524	No growth	N	No growth	N	10.7	3	51	0.68	75	50	-	-	N	N	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
113	660021	Candida albicans	N	Klebsiella pneumoniae	N	17.4	13.8	52	0.56	35	34	0.2	0.4	N	N	N	Y	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N
114	667402	Candida tropicalis	N	No growth	N	11.1	13.9	1.17	2.3	67	-	0.1	0.23	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
115	666874	Aspergillus flavus	N	No growth	N	11.9	13.9	1.2	0.69	49	44	-	-	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
116	406663	Candida stellatoidea	N	No growth	N	10.8	11.2	51	1.3	61	45	0.37	0.2	Y	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
117	665711	No growth	N	No growth	N	11.2	1.7	234	13.61	32	35	0.2	0.4	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
118	663119	No growth	N	No growth	N	8.6	10.1	69	2.66	45	41	0.4	0.32	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
119	670999	Aspergillus fumigatus	N	No growth	N	11.2	11.3	-	0.46	52	52	-	-	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
120	664534	Candida albicans	N	No growth	N	11	12.3	88	1.43	40	42	1.18	1.97	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
121	666871	No growth	N	No growth	N	9.9	35	62	1.41	56	57	-	-	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
122	672229	No growth	N	No growth	N	10.2	10.1	111	3.27	-	-	0.34	0.2	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
123	370934	No growth	N	No growth	Y	11	12	72	3.26	55	124	-	-	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
124	667329	No growth	N	No growth	N	9.9	12.1	57	1.12	45	42	-	-	Y	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
125	672797	Candida tropicalis	N	No growth	N	11.7	23.9	112	1.03	48	-	0.6	0.5	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
126	667912	Candida tropicalis	N	No growth	N	9.9	32.3	192	8.02	42	-	3.06	3.25	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
127	670300	Aspergillus flavus	N	No growth	N	11.8	11.6	54	1.26	57	45	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
128	654331	No growth	N	morganella morgagnii	N	9.1	10.3	88	1.92	53	55	-	-	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
129	200476	Candida albicans	N	candida albicans	N	6.4	16.6	279	4.81	54	56	-	-	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
130	245315	No growth	N	No growth	N	10	3.07	66	2.92	38	40	-	-	N	Y	N	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N
131	667356	No growth	N	Klebsiella pneumoniae	N	9.2	17.7	68	1.23	86	49	-	-	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
132	672785	No growth	N	No growth	N	10.9	12.1	51	2.57	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
133	664478	No growth	N	No growth	N	10.1	14.2	296	7.4	-	-	-	-	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
134	675720	No growth	N	No growth	N	5.4	10.3	-	-	-	-	-	-	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
135	579941	No growth	N	No growth	N	11.9	-	58	1.36	41	-	0.49	-	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
136	677017	No growth	N	No growth	Y	10.3	13.2	75	-	80	-	2.73	4.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
137	677250	No growth	N	Klebsiella pneumoniae	N	3.8	19.5	-	0.69	51	-	-	-	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
138	676489	No growth	N	No growth	N	4.6	-	-	0.45	-	-	0.53	1.68	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
139	675781	Aspergillus flavus	N	No growth	N	8.1	-	-	-	49	83	0.3	0.2	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
140	594098	Candida albicans	N	No growth	N	8.2	12.5	116	8.39	-	-	-	-	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
141	677230	No growth	Y	staphylococcus aureus	N	8.7	19.4	97	5.99	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
142	674907	No growth	N	Acinetobacter baumannii	N	9	11.6	95	4.8	-	-	-	-	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
72	658664	RSA,BTA	Miscellaneous	Y	N	N	Y	Y	N	Y	Y	Y	Y	DISCHARGED
73	654938	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	N	N	N	N	N	N	N	N	DAMA
74	659889	Malignant meningioma	ONCOLOGICAL DISEASE	N	N	N	N	N	Y	N	N	N	N	DEATH
75	655446	AFI,shock	Miscellaneous	N	Y	N	Y	N	N	Y	N	Y	N	DISCHARGED
76	581621	COPD WITH RESP DISTRESS	Miscellaneous	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
77	444518	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
78	614502	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	Y	N	N	N	N	N	N	Y	DEATH
79	660248	LRTI	Miscellaneous	N	N	Y	N	N	N	Y	N	N	N	DAMA
80	660145	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
81	657851	PNEUMONIA,PLEAURAL EFFUSION	Miscellaneous	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
82	659332	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	Y	N	N	N	N	N	DAMA
83	393778	Uremic encephalopathy	Miscellaneous	N	N	N	N	N	N	N	N	Y	N	DISCHARGED
84	663194	Flame burns	Miscellaneous	Y	N	Y	N	N	Y	N	N	N	N	DISCHARGED
85	655800	Flame burns	Miscellaneous	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
86	153605	meningitis	NEUROLOGICAL DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
87	293827	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
88	665236	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
89	661404	RSA,HI	Miscellaneous	N	N	Y	N	N	N	N	N	N	N	DAMA
90	665364	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	Y	N	N	DAMA
91	666128	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	N	Y	N	N	N	N	N	Y	DEATH
92	147815	Acute renal failure	RENAL DISEASE	Y	Y	Y	N	N	N	Y	N	N	N	DISCHARGED
93	667322	RSA,HI	Miscellaneous	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
94	666150	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	N	N	N	N	Y	N	N	N	DAMA
95	659930	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	Y	N	Y	N	N	DISCHARGED
96	666878	Chronic renal failure	RENAL DISEASE	N	Y	N	N	Y	Y	N	N	N	N	DISCHARGED
97	661834	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
98	351373	SEIZURES	NEUROLOGICAL DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DISCHARGED
99	360711	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
100	496049	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DAMA
101	661810	Acute gastroenteritis,shock	Miscellaneous	Y	Y	N	N	Y	N	N	N	N	N	DEATH
102	180016	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	N	N	Y	N	DISCHARGED
103	667378	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	Y	N	N	N	N	DISCHARGED
104	664539	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
105	667714	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
106	663202	Surgical Procedures	CARDIOVASCULAR DISEASE	N	Y	Y	Y	N	N	N	N	N	N	DISCHARGED
107	656791	meningitis	NEUROLOGICAL DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
108	658253	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
109	631927	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
110	20952	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	Y	Y	N	N	N	N	N	Y	DAMA
111	669502	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
112	669524	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
113	660021	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	N	N	Y	N	N	N	DISCHARGED
114	667402	SEIZURES	NEUROLOGICAL DISEASE	Y	N	N	N	N	Y	N	Y	N	N	DEATH
115	666874	RSA,BTA	Miscellaneous	N	N	N	N	Y	Y	N	N	N	N	DISCHARGED
116	406663	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
117	665711	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	N	Y	DISCHARGED
118	663119	tuberculosis	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
119	670999	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	N	N	N	N	N	N	DISCHARGED
120	664534	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	Y	N	Y	N	N	N	N	N	DISCHARGED
121	666871	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	Y	N	DISCHARGED
122	672229	RSA,HI	Miscellaneous	Y	Y	N	N	N	Y	N	N	N	N	DISCHARGED
123	370934	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
124	667329	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
125	672797	Surgical Procedures	NEUROLOGICAL DISEASE	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
126	667912	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
127	670300	Unknown poisoning	Miscellaneous	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
128	654331	Complicated falciparum malaria	TROPICAL FEVER	N	Y	N	N	N	N	N	Y	N	N	DEATH
129	200476	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
130	245315	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DAMA
131	667356	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	N	Y	N	N	N	N	N	DISCHARGED
132	672785	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
133	664478	RSA,HI	Miscellaneous	N	N	Y	N	N	Y	N	Y	N	N	DISCHARGED
134	675720	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	Y	N	N	N	N	DISCHARGED
135	579941	Myasthenia Gravis	Miscellaneous	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
136	677017	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	N	Y	DISCHARGED
137	677250	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
138	676489	RSA	Miscellaneous	Y	Y	N	N	Y	Y	N	N	N	N	DISCHARGED
139	675781	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	Y	N	DISCHARGED
140	594098	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	Y	Y	N	Y	N	N	Y	DAMA
141	677230	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	Y	N	N	N	DISCHARGED
142	674907	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
143	677257	S.C.P.S	74	6	M	192	EICU1	ICU	7	28/02/2019	february	serum	9	N	-	-	-	-	-	0.6	P	Sputum	No fungal elements seen
144	675099	M.S	66	5	M	194	HDU-II	ICU	15	28/02/2019	february	serum	>523	P	-	-	-	-	-	1.17	P	Endotracheal secretions	hyaline septate fungal hyphae
145	677302	S.R	74	6	M	195	EICU1	ICU	17	1/3/2019	march	serum	56.54	N	-	-	-	-	-	0.43	N	Sputum	No fungal elements seen
146	672925	S.M	39	2	M	197	TICU	ICU	64	1/3/2019	march	serum	30.54	N	-	-	-	-	-	0.09	N	Endotracheal secretions	No fungal elements seen
147	677295	B.S	41	3	M	198	EICU2	ICU	15	2/3/2019	march	serum	59.73	N	Y	226	9/3/2019	13.96	N	0.43	N	Endotracheal secretions	hyaline septate fungal hyphae
148	653630	R.S	71	6	M	200	EICU2	ICU	15	2/3/2019	march	serum	226.69	P	-	-	-	-	-	0.27	N	Sputum	budding yeast like cells with pseudohyphae
149	678781	PAR	61	5	F	201	EICU1	ICU	11	3/3/2019	march	serum	22.03	N	-	-	-	-	-	0.44	N	Endotracheal secretions	No fungal elements seen
150	681518	RUC	33	2	F	202	HDU-II	ICU	2	3/3/2019	march	serum	38.87	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
151	680032	K.S	63	5	M	205	MU-I	MEDICAL WARD	6	4/3/2019	march	serum	55.16	N	-	-	-	-	-	0.2	N	Sputum	budding yeast like cells with pseudohyphae
152	680242	A.S	61	5	M	208	EICU1	ICU	6	5/3/2019	march	serum	>523	P	-	-	-	-	-	0.17	N	pleural fluid	No fungal elements seen
153	798	V.P.T	74	6	M	211	DWARD	MEDICAL WARD	5	6/3/2019	march	serum	40.19	N	-	-	-	-	-	0.47	N	Sputum	No fungal elements seen
154	676028	J.S	76	6	M	212	EMG(HC)	MEDICAL WARD	13	6/3/2019	march	serum	92.58	P	-	-	-	-	-	0.01	N	Sputum	No fungal elements seen
155	682997	R.S	61	5	M	213	MICU	ICU	8	6/3/2019	march	serum	31.22	N	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
156	149811	H.S	33	2	M	215	MICU	ICU	11	6/3/2019	march	serum	16.43	N	Y	227	9/3/2019	7.3	N	0.07	N	Sputum	No fungal elements seen
157	672722	A.S	60	4	M	217	DWARD	ICU	24	6/3/2019	march	serum	16.85	N	-	-	-	-	-	0.26	N	ascitic fluid	No fungal elements seen
158	684026	R.L	77	6	M	219	EMG	MEDICAL WARD	9	7/3/2019	march	serum	78.28	IND	-	-	-	-	-	1.01	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
159	678608	G.L	61	5	M	220	DWARD	MEDICAL WARD	12	7/3/2019	march	serum	>523	P	-	-	-	-	-	0.95	P	ascitic fluid	No fungal elements seen
160	670183	P.S	51	4	M	222	TICU	ICU	25	7/3/2019	march	serum	48.89	N	-	-	-	-	-	0.7	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
161	661769	I.S	42	3	M	223	FW162	MEDICAL WARD	11	8/3/2019	march	serum	64.43	IND	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
162	581248	D.S	53	4	M	224	MICU	ICU	5	8/3/2019	march	serum	227.18	P	-	-	-	-	-	0.15	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
163	261468	R.K.G	88	7	M	225	EICU1	ICU	4	8/3/2019	march	serum	207.69	P	-	-	-	-	-	0.8	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
164	667927	K.J	55	4	F	228	HDU-I	ICU	26	10/3/2019	march	serum	29.88	N	-	-	-	-	-	0.12	N	Sputum	budding yeast like cells with pseudohyphae
165	469447	S.J	81	7	M	231	MICU	ICU	10	10/3/2019	march	serum	56	N	-	-	-	-	-	0.03	N	Sputum	budding yeast like cells with pseudohyphae
166	685093	A.S	63	5	M	232	EICU2	ICU	16	11/3/2019	march	serum	290.02	P	-	-	-	-	-	2.21	P	Sputum	budding yeast like cells with pseudohyphae
167	90522	J.M	67	5	M	235	EMG(HC)	MEDICAL WARD	15	12/3/2019	march	serum	>523	P	Y	259	24/03/2019	74.3	IND	0.58	P	ascitic fluid	No fungal elements seen
168	678742	P.S	71	6	M	237	SICU	ICU	18	12/3/2019	march	serum	>523	P	Y	299	11/4/2019	446.11	P	0.5	P	pleural fluid	No fungal elements seen
169	643626	K.K	51	4	F	238	NSICU	ICU	74	12/3/2019	march	serum	68.43	IND	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
170	685081	B.K	53	4	F	239	PCCU	ICU	23	12/3/2019	march	serum	24.06	N	-	-	-	-	-	0.29	N	Bronchoalveolar lavage	No fungal elements seen
171	687456	B.S	53	4	M	243	EICU2	ICU	31	15/03/2019	march	serum	126.96	P	-	-	-	-	-	0.9	P	Sputum	budding yeast like cells with pseudohyphae
172	56946	N.K	69	5	F	246	DWARD	MEDICAL WARD	16	17/03/2019	march	serum	180.33	P	Y	287	4/4/2019	170.5	P	0.39	N	Sputum	No fungal elements seen
173	691306	B.S	62	5	M	247	HDU-II	ICU	4	19/03/2019	march	serum	104.82	P	-	-	-	-	-	0.85	P	drain fluid	budding yeast like cells with pseudohyphae
174	660544	R.G	51	4	F	248	MU-IV	MEDICAL WARD	9	19/03/2019	march	serum	>523	P	-	-	-	-	-	0.5	P	Endotracheal secretions	No fungal elements seen
175	688868	G.S	25	1	M	249	EICU1	ICU	22	19/03/2019	march	serum	65.43	IND	Y	263	28/03/2019	48.13	N	0.28	N	Endotracheal secretions	No fungal elements seen
176	693114	SA.K	81	7	F	257	PCCU	ICU	22	23/03/2019	march	serum	107.3	P	Y	280	1/4/2019	99.2	P	0.32	N	Endotracheal secretions	No fungal elements seen
177	688706	B.O	73	6	F	258	SKIN	MEDICAL WARD	18	24/03/2019	march	serum	78.8	IND	-	-	-	-	-	0.43	N	Endotracheal secretions	No fungal elements seen
178	679571	K.K	27	1	F	260	EICU1	ICU	14	25/03/2019	march	serum	56.4	N	-	-	-	-	-	0.12	N	ascitic fluid	budding yeast like cells with pseudohyphae
179	686747	S.S	76	6	F	261	DWARD	MEDICAL WARD	23	27/03/2019	march	serum	91.3	P	-	-	-	-	-	0.25	N	Endotracheal secretions	No fungal elements seen
180	692883	G.R	63	5	F	262	EICU1	ICU	14	28/03/2019	march	serum	153	P	-	-	-	-	-	0.1	N	Sputum	budding yeast like cells with pseudohyphae
181	694029	B.S	61	5	M	264	MICU	ICU	27	28/03/2019	march	serum	131.61	P	-	-	-	-	-	0.32	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
182	675719	G.S	59	4	M	266	STR-ICU	ICU	96	28/03/2019	march	serum	61.86	IND	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
183	697358	V.J	20	1	M	268	EICU1	ICU	9	29/03/2019	march	serum	167.22	P	-	-	-	-	-	0.22	N	Sputum	budding yeast like cells with pseudohyphae
184	694007	SO.S	55	4	M	271	MICU	ICU	21	29/03/2019	march	serum	313.85	P	-	-	-	-	-	0.28	N	Endotracheal secretions	No fungal elements seen
185	683734	J.S	27	1	M	272	SICU	ICU	27	29/03/2019	march	serum	186.32	P	-	-	-	-	-	0.17	N	Endotracheal secretions	No fungal elements seen
186	697337	NIKITA	24	1	F	275	EICU1	ICU	13	31/03/2019	march	serum	97	P	-	-	-	-	-	0.43	N	Sputum	No fungal elements seen
187	675111	S.K.B	82	7	M	276	DWARD	MEDICAL WARD	14	31/03/2019	march	serum	59.8	N	-	-	-	-	-	0.48	N	ascitic fluid	No fungal elements seen
188	670370	S.S	55	4	M	277	DWARD	MEDICAL WARD	8	31/03/2019	march	serum	48.6	N	-	-	-	-	-	2.98	P	pleural fluid	No fungal elements seen
189	689305	A.S	33	2	M	278	LIVERCARE	MEDICAL WARD	20	1/4/2019	april	serum	57.4	N	-	-	-	-	-	1.38	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
190	695618	A.G	22	1	M	279	FW251	MEDICAL WARD	11	1/4/2019	april	serum	33.35	N	-	-	-	-	-	0.7	P	pleural fluid	budding yeast like cells with pseudohyphae
191	701211	S.K	90	7	M	283	EICU1	ICU	8	3/4/2019	april	serum	523	P	-	-	-	-	-	0.61	P	Sputum	budding yeast like cells with pseudohyphae
192	496364	B.R	40	2	F	284	EICU1	ICU	37	3/4/2019	april	serum	63.21	IND	Y	324	23/04	34.31	N	0.69	P	Sputum	No fungal elements seen
193	697986	C.K	43	3	F	285	EICU2	ICU	7	3/4/2019	april	serum	278.49	P	-	-	-	-	-	0.41	N	ascitic fluid	No fungal elements seen
194	698019	A.P	29	1	M	286	EICU2	ICU	8	4/4/2019	april	serum	299.62	P	-	-	-	-	-	0.82	P	Endotracheal secretions	No fungal elements seen
195	701104	B.S	73	6	M	288	TICU	ICU	13	5/4/2019	april	serum	72.55	IND	-	-	-	-	-	0.26	N	Endotracheal secretions	No fungal elements seen
196	698822	R.S	36	2	M	289	TICU	ICU	-	5/4/2019	april	serum	94.51	P	-	-	-	-	-	0.42	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
197	694884	J.K	51	4	M	290	NSICU	ICU	-	5/4/2019	april	serum	59.25	N	-	-	-	-	-	0.26	N	Endotracheal secretions	No fungal elements seen
198	699555	G.M	46	3	M	291	DWARD	MEDICAL WARD	-	6/4/2019	april	serum	79.03	IND	-	-	-	-	-	0.57	P	Sputum	budding yeast like cells with pseudohyphae
199	700412	G.S	49	3	M	292	CHEST	MEDICAL WARD	7	7/4/2019	april	serum	186.55	P	-	-	-	-	-	0.84	P	Sputum	budding yeast like cells with pseudohyphae
200	705520	J.S	62	5	M	296	EICU1	ICU	9	10/4/2019	april	serum	198.21	P	-	-	-	-	-	0.5	P	Endotracheal secretions	No fungal elements seen
201	706421	A.S	61	5	M	298	MICU	ICU	15	11/4/2019	april	serum	54.96	N	-	-	-	-	-	0.33	N	Endotracheal secretions	No fungal elements seen
202	706025	I.C.O	46	3	M	300	EICU2	ICU	7	11/4/2019	april	serum	7.8	N	-	-	-	-	-	0.48	N	Sputum	budding yeast like cells with pseudohyphae
203	689615	P.K	56	4	M	301	ICCU	ICU	10	11/4/2019	april	serum	65.53	IND	y	379	11/5/2019	29.6	N	-	-	Sputum	No fungal elements seen
204	704220	S.B	57	4	F	302	STR-ICU	ICU	11	12/4/2019	april	serum	96.24	P	-	-	-	-	-	0.64	P	Endotracheal secretions	No fungal elements seen
205	696524	R.D.B	71	6	M	303	NS-I	MEDICAL WARD	41	12/4/2019	april	serum	20.58	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
206	707347	S.K	67	5	F	305	PCCU	ICU	22	12/4/2019	april	serum	208.39	P	-	-	-	-	-	0.37	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
207	43936	H.K	52	4	F	306	SICU	ICU	26	12/4/2019	april	serum	84.26	P	Y	-	25/04/2019	70.5	IND	0.74	P	Endotracheal secretions	No fungal elements seen
208	705935	M.K	29	1	F	307	EICU2	ICU	9	13/04/2019	april	serum	523	P	-	-	-	-	-	0.34	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
209	708586	G.K	65	5	F	310	EICU2	ICU	5	15/04/2019	april	serum	141.06	P	-	-	-	-	-	0.06	N	Sputum	budding yeast like cells with pseudohyphae
210	670445	S.M	52	4	F	311	FW372	MEDICAL WARD	56	16/04/2019	april	serum	105.57	P	-	-	-	-	-	1.43	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
211	710280	I.K.S	73	6	M	312	DWARD	MEDICAL WARD	16	16/04/2019	april	serum	50.53	N	y	339	23/04/2019	30.5	N	0.47	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
212	709422	S.R	38	2	F	313	G-ICU	ICU	18	18/04/2019	april	serum	86.18	P	-	-	-	-	-	0.02	N	ascitic fluid	No fungal elements seen
213	706636	LOV	35	2	M	314	HDU-I	ICU	12	18/04/2019	april	serum	58.1	N	-	-	-	-	-	0.3	N	Sputum	No fungal elements seen

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
143	677257	No growth	N	No growth	N	10.7	10.2	-	-	89	51	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
144	675099	No growth	N	No growth	N	11.2	12.6	62	-	-	-	0.2	0.25	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
145	677302	No growth	Y	No growth	N	10.2	12.4	77	1.96	74	58	0.3	0.5	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
146	672925	No growth	N	No growth	N	8.6	29	-	0.66	-	-	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
147	677295	No growth	N	Klebsiella pneumoniae	N	18.5	14.8	-	1.73	48	-	0.83	2.01	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
148	653630	No growth	Y	E coli	N	10.9	11.8	56	1.63	318	224	2.54	3.93	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
149	678781	No growth	Y	Acinetobacter baumannii	N	11.9	13.6	58	1.36	55	-	-	-	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
150	681518	Candida tropicalis	N	No growth	Y	11.3	22	-	-	-	-	-	-	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
151	680032	No growth	N	No growth	Y	11.6	11	-	0.65	131	92	0.42	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
152	680242	No growth	N	No growth	N	11.2	25.1	53	-	64	-	0.97	-	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
153	798	No growth	N	No growth	N	11.4	-	-	-	42	45	-0.97	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
154	676028	No growth	N	No growth	N	8.2	31.4	107	1.31	-	-	0.66	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
155	682997	No growth	Y	No growth	N	9.9	3	110	0.26	571	438	0.58	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
156	149811	No growth	Y	Staphylococcus epidermidis	N	10.4	1.9	61	1.34	54	57	-	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
157	672722	No growth	N	No growth	Y	11.5	13.2	51	0.68	60	100	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
158	684026	Aspergillus flavus	N	No growth	N	9.8	10.2	83	17.3	56	-	0.46	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
159	678608	No growth	Y	No growth	N	9	30.6	8.7	1.24	-	-	-	-	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
160	670183	Candida stellatoidea	N	No growth	N	11.6	-	-	-	163	71	5.15	6.26	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
161	661769	No growth	Y	E coli	N	6.5	17.7	103	2.98	-	-	0.33	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
162	581248	Candida stellatoidea	N	e coli	N	8	10.4	151	5.16	66	-	0.36	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
163	261468	Candida tropicalis	Y	No growth	N	9.2	10.6	53	1.28	-	-	-	-	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
164	667927	Candida tropicalis	N	No growth	N	11.2	114	61	1.27	140	48	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
165	469447	No growth	Y	No growth	N	11.1	56.2	69	1.74	-	-	-	-	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
166	685093	No growth	N	No growth	Y	5.6	12.5	-	0.65	70	80	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
167	90522	No growth	N	No growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
168	678742	No growth	N	No growth	N	11.3	0.3	103	1.79	-	-	0.33	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
169	643626	No growth	N	No growth	N	10.6	11.5	-	0.66	51	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
170	685081	No growth	N	No growth	N	5.2	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
171	687456	Candida tropicalis	N	Klebsiella pneumoniae	Y	11.9	23.7	-	0.44	-	-	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
172	56946	No growth	Y	No growth	N	9.6	11.5	114	0.69	75	66	-	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
173	691306	Candida tropicalis	Y	No growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
174	660544	No growth	Y	Candida parapsilosis	N	10.5	11.2	8	-	35	36	0.2	0.21	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
175	688868	No growth	Y	E coli	N	11.5	11.6	8.2	-	20	25	0.5	0.6	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
176	693114	No growth	Y	Klebsiella pneumoniae	Y	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
177	688706	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
178	679571	No growth	Y	No growth	N	12.2	11	-	-	-	-	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
179	686747	No growth	N	Klebsiella pneumoniae	N	10.2	11.3	-	0.61	46	52	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
180	692883	No growth	N	E coli	N	7.6	18.8	52	-	41	-	1.09	-	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
181	694029	No growth	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
182	675719	No growth	N	Burkholderia cepacia	N	11.5	2.6	52	-	343	68	0.99	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
183	697358	Candida tropicalis	N	No growth	N	12.3	-	25	-	50	53	-	-	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
184	694007	No growth	N	Staphylococcus aureus	Y	11.4	1.4	8	0.68	115	-	-	-	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
185	683734	No growth	N	No growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
186	697337	No growth	N	No growth	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
187	675111	No growth	N	No growth	N	11.6	51	-	0.59	46	48	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
188	670370	No growth	N	No growth	N	11.9	-	59	1.79	4661	5202	5.09	7.53	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
189	689305	No growth	N	No growth	N	13.5	2.4	-	0.68	-	-	0.6	0.5	N	N	N	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N
190	695618	No growth	N	No growth	Y	88	12.4	160	2.19	-	-	-	-	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
191	701211	Candida tropicalis	N	No growth	N	9.3	2.8	-	-	-	-	0.51	1.42	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
192	496364	No growth	N	Klebsiella pneumoniae	N	10.9	12.1	51	2.57	-	-	-	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
193	697986	No growth	N	No growth	N	10.1	14.2	296	7.4	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
194	698019	No growth	N	No growth	N	5.4	10.3	-	-	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
195	701104	No growth	N	No growth	N	11.9	-	58	1.36	41	-	0.49	0.5	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
196	698822	No growth	N	No growth	N	10.3	13.2	75	-	80	-	2.73	4.1	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
197	694884	No growth	Y	No growth	N	11.1	14.9	70	1.46	-	-	-	-	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
198	699555	Candida stellatoidea	Y	No growth	N	12.2	50	8	0.5	52	52	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
199	700412	Candida albicans	Y	No growth	N	15.2	11.6	8	-	85	100	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
200	705520	No growth	N	Burkholderia cepacia	N	12.8	30.5	20	-	95	89	-	-	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
201	706421	No growth	N	No growth	N	11.2	30	20	0.2	50	50	0.2	0.32	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
202	706025	Candida stellatoidea	N	No growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
203	689615	No growth	N	E coli	N	11.3	0.3	103	1.79	-	-	0.33	-	Y	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
204	704220	No growth	Y	No growth	N	10.6	11.5	-	0.66	51	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
205	696524	No growth	N	No growth	N	5.2	-	-	-	-	-	-	-	Y	Y	N	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
206	707347	Candida tropicalis	Y	E coli	N	11.9	23.7	-	0.44	-	-	-	-	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
207	43936	No growth	N	No growth	N	9.6	11.5	114	0.69	75	66	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
208	705935	Candida stellatoidea	N	No growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
209	708586	No growth	Y	No growth	N	10.5	11.2	8	-	35	36	0.2	0.21	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
210	670445	Candida tropicalis	Y	No growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
211	710280	No growth	N	No growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N
212	709422	No growth	Y	Staphylococcus epidermidis	N	10.8	-	-	-	61	75	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
213	706636	No growth	Y	No growth	N	12.2	11	-	-	-	-	-	-	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
143	677257	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	Y	Y	Y	N	N	DISCHARGED
144	675099	Diabetic ketoacidosis	Miscellaneous	N	Y	Y	N	N	N	N	N	N	Y	DAMA
145	677302	meningitis	NEUROLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
146	672925	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	Y	Y	N	N	N	DAMA
147	677295	Complicated falciparum malaria	TROPICAL FEVER	Y	N	N	Y	N	Y	Y	Y	N	N	DISCHARGED
148	653630	CA adrenal,UTI	ONCOLOGICAL DISEASE	Y	N	N	N	Y	N	Y	N	N	N	DAMA
149	678781	RSA,BTC	Miscellaneous	N	Y	N	Y	N	N	Y	Y	N	Y	DEATH
150	681518	meningitis	NEUROLOGICAL DISEASE	N	Y	N	N	N	Y	N	N	N	Y	DISCHARGED
151	680032	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	Y	N	N	Y	N	DISCHARGED
152	680242	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	Y	Y	Y	N	N	DISCHARGED
153	798	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	N	N	N	N	DISCHARGED
154	676028	RSA,HI	Miscellaneous	N	N	Y	Y	Y	N	Y	Y	N	N	DAMA
155	682997	RSA	Miscellaneous	Y	Y	N	N	N	N	Y	N	N	N	DISCHARGED
156	149811	Fall from height	Miscellaneous	Y	Y	Y	N	N	N	Y	N	Y	N	DAMA
157	672722	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	Y	N	N	N	Y	N	DISCHARGED
158	684026	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	Y	N	Y	Y	Y	N	N	DISCHARGED
159	678608	crohn disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
160	670183	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	Y	N	N	Y	N	N	N	Y	DEATH
161	661769	RSA,HI	Miscellaneous	N	Y	N	Y	N	N	Y	N	N	N	DISCHARGED
162	581248	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	Y	Y	N	N	N	N	N	DISCHARGED
163	261468	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	Y	Y	DISCHARGED
164	667927	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	N	Y	N	N	N	Y	N	DISCHARGED
165	469447	Lung CA	ONCOLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
166	685093	Fall from height	Miscellaneous	Y	N	Y	N	Y	Y	N	N	Y	N	DISCHARGED
167	90522	RSA,HI	Miscellaneous	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
168	678742	Surgical Procedures	NEUROLOGICAL DISEASE	Y	Y	N	N	Y	N	N	N	Y	N	DISCHARGED
169	643626	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	Y	N	N	N	DISCHARGED
170	685081	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	Y	Y	Y	N	Y	Y	N	N	N	DISCHARGED
171	687456	SEIZURES	NEUROLOGICAL DISEASE	N	N	N	Y	Y	Y	N	Y	N	N	DISCHARGED
172	56946	RSA,BTA	Miscellaneous	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
173	691306	Flame burns	Miscellaneous	N	N	Y	N	Y	N	N	Y	N	N	DISCHARGED
174	660544	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	Y	Y	N	Y	Y	Y	Y	Y	N	N	DISCHARGED
175	688868	RSA,SDH	Miscellaneous	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
176	693114	Electric burns	Miscellaneous	N	Y	Y	N	N	Y	Y	N	N	N	DAMA
177	688706	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	N	Y	Y	N	N	N	N	N	DISCHARGED
178	679571	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	Y	N	Y	N	N	N	Y	DISCHARGED
179	686747	Diabetic foot	Miscellaneous	N	N	Y	N	Y	N	Y	Y	N	N	DISCHARGED
180	692883	Limb amputation	Miscellaneous	Y	N	N	Y	Y	Y	N	Y	N	N	DEATH
181	694029	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	Y	N	Y	N	N	Y	DISCHARGED
182	675719	RSA	Miscellaneous	Y	Y	Y	Y	N	Y	N	N	N	N	DISCHARGED
183	697358	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	N	N	Y	Y	DISCHARGED
184	694007	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DAMA
185	683734	Thyroid swelling	Miscellaneous	Y	Y	N	N	Y	N	Y	N	N	N	DISCHARGED
186	697337	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	Y	N	N	Y	N	N	N	N	DEATH
187	675111	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	Y	Y	N	N	N	N	DISCHARGED
188	670370	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	Y	N	DISCHARGED
189	689305	meningitis	NEUROLOGICAL DISEASE	Y	N	Y	Y	Y	N	Y	N	N	Y	DISCHARGED
190	695618	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	Y	N	Y	N	N	N	DISCHARGED
191	701211	Fall from height	Miscellaneous	Y	Y	Y	N	N	N	N	N	N	N	DEATH
192	496364	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	Y	Y	Y	N	N	DISCHARGED
193	697986	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
194	698019	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
195	701104	Blunt trauma injury/Intestinal perforation	Miscellaneous	N	N	N	N	N	Y	Y	N	N	N	DEATH
196	698822	Road side accident/SAH	Miscellaneous	Y	Y	Y	Y	N	Y	Y	Y	N	N	DISCHARGED
197	694884	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	N	Y	N	N	N	DISCHARGED
198	699555	Fall from height/head injury	Miscellaneous	N	Y	N	Y	N	N	Y	Y	N	Y	DAMA
199	700412	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	Y	N	N	N	Y	DISCHARGED
200	705520	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	Y	N	N	Y	N	DISCHARGED
201	706421	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	Y	Y	Y	N	N	DISCHARGED
202	706025	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	Y	N	N	N	N	N	DAMA
203	689615	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	Y	N	Y	Y	N	N	DISCHARGED
204	704220	loss of consciousness	Miscellaneous	Y	Y	Y	N	N	N	Y	N	N	N	DISCHARGED
205	696524	Surgical Procedures	NEUROLOGICAL DISEASE	Y	N	N	N	N	N	Y	N	Y	N	DISCHARGED
206	707347	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	N	N	Y	N	DISCHARGED
207	43936	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	Y	N	Y	Y	Y	N	N	DEATH
208	705935	Hypertension/CKD/anemia	Miscellaneous	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
209	708586	Hypertension/DM2	Miscellaneous	Y	N	Y	N	N	Y	N	N	N	Y	DISCHARGED
210	670445	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	Y	N	N	N	DISCHARGED
211	710280	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	Y	N	N	N	N	N	DAMA
212	709422	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DEATH
213	706636	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	Y	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
214	708560	N.S	68	5	M	315	EICU1	ICU	5	18/04/2019	april	serum	120.57	P	-	-	-	-	-	1.54	P	Endotracheal secretions	No fungal elements seen
215	614283	V.G	70	5	F	318	TICU	ICU	35	19/04/2019	april	serum	107.81	P	-	-	-	-	-	0.39	N	Sputum	No fungal elements seen
216	702584	H.S	76	6	M	319	MU-IV	MEDICAL WARD	6	20/04/2019	april	serum	362.8	P	-	-	-	-	-	0.59	P	Sputum	No fungal elements seen
217	711639	P.K.J	69	5	M	320	TICU	ICU	2	20/04/2019	april	serum	>523	P	-	-	-	-	-	0.23	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
218	708604	S.K	68	5	F	321	EICU2	ICU	5	20/04/2019	april	serum	>523	P	-	-	-	-	-	0.45	N	Sputum	No fungal elements seen
219	668822	H.K	65	5	F	322	DWARD	MEDICAL WARD	10	22/04/2019	april	serum	56.7	N	-	-	-	-	-	0.03	N	Endotracheal secretions	No fungal elements seen
220	709000	J.K	53	4	F	323	CHEST	MEDICAL WARD	10	23/04/2019	april	serum	34.23	N	-	-	-	-	-	0.15	N	Sputum	budding yeast like cells with pseudohyphae
221	689653	K.D	66	5	F	325	PCCU	ICU	27	23/04/2019	april	serum	314.47	P	Y	369	6/5/2019	36.76	N	0.75	P	Sputum	No fungal elements seen
222	708994	A.G	66	5	F	326	MICU	ICU	28	23/04/2019	april	serum	59.24	N	Y	351	2/5/2019	31.24	N	0.7	P	Endotracheal secretions	No fungal elements seen
223	713351	MENU	44	3	F	329	DWARD	MEDICAL WARD	24	23/04/2019	april	serum	54.81	N	Y	385	3/5/2019	11.24	N	0	N	Sputum	No fungal elements seen
224	714544	M.P	47	3	M	330	FWARD	MEDICAL WARD	8	24/04/2019	april	serum	54.33	N	-	-	-	-	-	0.71	P	Endotracheal secretions	No fungal elements seen
225	713201	M.K	66	5	M	331	PCCU	ICU	28	25/4/2019	april	serum	58.16	N	-	-	-	-	-	4.5	P	Sputum	budding yeast like cells with pseudohyphae
226	715528	K.K.M	65	5	M	333	MICU	ICU	10	25/04/2019	april	serum	45.66	N	Y	336	27/04/2019	32.06	N	0.2	N	Endotracheal secretions	No fungal elements seen
227	65521	S.S.R	74	6	M	334	NSICU	ICU	21	27/04/2019	april	serum	64.73	IND	-	-	-	-	-	0.35	N	Sputum	budding yeast like cells with pseudohyphae
228	64148	K.K	62	5	M	335	PCCU	ICU	9	27/04/2019	april	serum	63.02	IND	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
229	708707	V.K	52	4	M	337	NS-I	SURGICAL WARD	13	27/04/2019	april	serum	75.99	IND	-	-	-	-	-	0.38	N	ascitic fluid	No fungal elements seen
230	712342	R.K.P	73	6	M	340	DWARD	MEDICAL WARD	15	28/04/2019	april	serum	168.93	P	-	-	-	-	-	1.41	P	Sputum	No fungal elements seen
231	167571	K.R	70	5	F	341	ICCU	ICU	23	28/04/2019	april	serum	81.48	P	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
232	703902	S.R	33	2	M	342	NS-I	SURGICAL WARD	23	28/04/2019	april	serum	41.84	N	-	-	-	-	-	1.07	P	Sputum	No fungal elements seen
233	717634	I.S	24	1	M	343	PCCU	ICU	2	28/04/2019	april	serum	116.1	P	-	-	-	-	-	0.35	N	Endotracheal secretions	No fungal elements seen
234	714043	P.S	39	2	M	344	SICU	ICU	38	29/04/2019	april	serum	53.39	N	-	-	-	-	-	1.27	P	Sputum	No fungal elements seen
235	716134	P.C	72	6	M	345	PCCU	ICU	18	29/04/2019	april	serum	153.52	P	Y	372	6/5/2019	23.91	N	0.5	P	Sputum	budding yeast like cells with pseudohyphae
236	712970	B.S	54	4	M	346	EICU2	ICU	13	29/04/2019	april	serum	46.36	N	-	-	-	-	-	0.39	N	Sputum	No fungal elements seen
237	715269	B.R.S	67	5	M	347	EICU2	ICU	16	30/04/2019	april	serum	50.68	N	Y	373	7/5/2019	<7.8	N	0	N	Endotracheal secretions	No fungal elements seen
238	711472	S.G	39	2	M	348	GICU	ICU	21	30/04/2019	april	serum	64.71	N	-	-	-	-	-	0.45	N	ascitic fluid	No fungal elements seen
239	716167	G.K	36	2	M	349	EICU1	ICU	13	30/04/2019	april	serum	45.08	N	Y	362	5/5/2019	<7.8	N	0.3	N	Sputum	No fungal elements seen
240	718633	H.S	29	1	M	350	CHEST	MEDICAL WARD	5	1/5/2019	may	serum	56.13	N	-	-	-	-	-	0.85	P	Sputum	hyaline septate fungal hyphae
241	720648	T.J.S	86	7	M	353	ICCU	ICU	7	3/5/2019	may	serum	89.35	P	-	-	-	-	-	0.68	P	Sputum	No fungal elements seen
242	113465	S.S	87	7	F	354	ICCU	ICU	7	3/5/2019	may	serum	291.67	P	-	-	-	-	-	1.55	P	Endotracheal secretions	No fungal elements seen
243	677254	P.K	64	5	F	355	EICU1	ICU	11	3/5/2019	may	serum	<7.8	N	-	-	-	-	-	0.07	N	pleural fluid	No fungal elements seen
244	720751	P.D	66	5	F	356	PCCU	ICU	3	3/5/2019	may	serum	197.22	P	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
245	721369	M.K	53	4	F	358	EICU2	ICU	4	4/5/2019	may	serum	396.22	P	-	-	-	-	-	0.1	N	Sputum	budding yeast like cells with pseudohyphae
246	717667	S.K	71	6	F	359	NEPHROLOGY	MEDICAL WARD	8	4/5/2019	may	serum	215.66	P	Y	430	30/5/2019	51.13	N	0.06	N	Sputum	budding yeast like cells with pseudohyphae
247	463589	V.P	79	6	M	361	M-ICU	ICU	13	4/5/2019	may	serum	68.36	IND	-	-	-	-	-	0.27	N	Sputum	No fungal elements seen
248	721910	S.J	27	1	F	363	EICU2	ICU	6	5/5/2019	may	serum	45.85	N	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
249	721429	R.K	59	4	F	364	BICU	ICU	8	5/5/2019	may	serum	53.22	N	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
250	719992	J.K.	71	6	F	365	ICCU-1	ICU	17	5/5/2019	may	serum	14.81	N	-	-	-	-	-	0.2	N	Endotracheal secretions	No fungal elements seen
251	175063	T.S	68	5	M	366	ICCU-2	ICU	10	5/5/2019	may	serum	27.1	N	-	-	-	-	-	0.38	N	Sputum	No fungal elements seen
252	714009	K.J	76	6	F	367	M-ICU	ICU	24	6/5/2019	may	serum	78.16	IND	-	-	-	-	-	0.19	N	Endotracheal secretions	No fungal elements seen
253	705096	A.G	51	4	M	375	M-ICU	ICU	6	7/5/2019	may	serum	45.71	N	-	-	-	-	-	0.33	N	Sputum	No fungal elements seen
254	724653	G.S	70	5	M	376	UROLOGY	SURGICAL WARD	3	9/5/2019	may	serum	94.88	P	Y	466	8/6/2019	84.5	P	0.52	P	Sputum	budding yeast like cells with pseudohyphae
255	720749	B.S	39	2	M	377	MICU	ICU	13	10/5/2019	may	serum	502.69	P	-	-	-	-	-	0.03	N	Endotracheal secretions	No fungal elements seen
256	721052	S.D	63	5	F	378	MICU	ICU	8	10/5/2019	may	serum	99.61	P	Y	466	8/6/2019	90.5	P	0.37	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
257	676628	S.S	19	1	M	380	T-ICU	ICU	18	11/5/2019	may	serum	105.95	P	-	-	-	-	-	0.26	N	Sputum	No fungal elements seen
258	717728	R.S	23	1	M	381	LIVERCARE	MEDICAL WARD	30	12/5/2019	may	serum	>523	P	-	-	-	-	-	2.76	P	Endotracheal secretions	hyaline septate fungal hyphae
259	726946	P.R	75	6	F	382	PCCU	ICU	20	12/5/2019	may	serum	282.3	P	-	-	-	-	-	0.99	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
260	723946	R.K	30	1	M	384	NSICU	ICU	15	13/05/2019	may	serum	28.5	N	-	-	-	-	-	0.23	N	Endotracheal secretions	No fungal elements seen
261	716133	B.K	46	3	M	386	S-ICU	ICU	10	13/05/2019	may	serum	122.22	P	-	-	-	-	-	0.38	N	Sputum	No fungal elements seen
262	663181	J.R	34	2	M	387	HDU-1	ICU	9	13/05/2019	may	serum	>523	P	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
263	281727	M.D.B	28	1	M	388	FW371	MEDICAL WARD	8	13/05/2019	may	serum	51.61	N	Y	419	26/05/2019	7.8	N	0.35	N	Sputum	No fungal elements seen
264	728673	G.S	50	3	M	389	M-ICU	ICU	6	14/05/2019	may	serum	228.75	P	-	-	-	-	-	0.31	N	Sputum	No fungal elements seen
265	727790	M.L	35	2	M	390	EICU2	ICU	6	15/05/2019	may	serum	219.52	P	-	-	-	-	-	0.24	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
266	714694	H.K	66	5	F	391	S-ICU	ICU	35	15/05/2019	may	serum	>523	P	-	-	-	-	-	0.53	N	Sputum	budding yeast like cells with pseudohyphae
267	669345	V.K	47	3	F	392	G-ICU	ICU	9	16/05/2019	may	serum	82.14	P	-	-	-	-	-	0.46	N	Endotracheal secretions	No fungal elements seen
268	496259	R.D.G	73	6	M	393	ICCU-2	ICU	11	16/05/2019	may	serum	80.65	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
269	714781	B.B	62	5	M	394	PCCU	ICU	24	17/05/2018	may	serum	504.16	P	Y	421	27/05/2019	188.75	P	0.27	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
270	729478	H.S	27	1	M	395	T-ICU	ICU	26	17/05/2019	may	serum	121.7	P	-	-	-	-	-	0.91	N	Endotracheal secretions	No fungal elements seen
271	726328	R.M	46	3	F	396	ICCU	ICU	10	17/05/2019	may	serum	75.55	IND	Y	417	25/05/2019	62.3	N	0.25	N	Sputum	No fungal elements seen
272	726947	KANU	24	1	F	397	M-ICU	ICU	9	17/05/2019	may	serum	237.74	P	-	-	-	-	-	0.17	N	Endotracheal secretions	No fungal elements seen
273	717539	M.L	52	4	M	398	ICCU-2	ICU	12	17/05/2019	may	serum	147.23	P	-	-	-	-	-	0.46	N	Sputum	No fungal elements seen
274	728712	D.K	46	3	F	399	EICU2	ICU	12	17/05/2019	may	serum	102.91	P	-	-	-	-	-	0.2	N	Sputum	budding yeast like cells with pseudohyphae
275	726962	KD.S	47	3	M	400	NEPHROLOGY	MEDICAL WARD	8	17/05/2019	may	serum	174.04	P	-	-	-	-	-	0.02	N	Sputum	No fungal elements seen
276	725292	K.S	72	6	M	401	HDU-2	ICU	12	18/05/2019	may	serum	48.52	N	-	-	-	-	-	0.26	N	Sputum	budding yeast like cells with pseudohyphae
277	730769	D.J	44	3	F	403	PCCU	ICU	2	18/05/2019	may	serum	>523	P	-	-	-	-	-	0.22	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
278	730136	S.S	83	7	M	404	ICCU-2	ICU	6	20/05/2019	may	serum	170.2	P	-	-	-	-	-	0.23	N	Sputum	budding yeast like cells with pseudohyphae
279	722225	M.K	44	3	F	405	EICU1	ICU	18	21/05/2019	may	serum	228.74	P	-	-	-	-	-	1.53	P	Endotracheal secretions	No fungal elements seen
280	732304	K.G	57	4	F	406	S-ICU	ICU	5	21/05/2019	may	serum	437.74	P	-	-	-	-	-	0.19	N	Sputum	No fungal elements seen
281	727127	H.K	51	4	F	408	EICU1	ICU	10	21/05/2019	may	serum	>523	P	-	-	-	-	-	0.85	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
282	723546	K.D	71	6	F	410	MU-3	MEDICAL WARD	35	23/05/2019	may	serum	105.87	P	-	-	-	-	-	0.23	N	Endotracheal secretions	No fungal elements seen
283	734186	J.S	65	5	M	413	ICCU-2	ICU	11	24/05/2019	may	serum	115.74	P	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
284	717785	F.S	41	3	M	414	NEUROLOGY	MEDICAL WARD	4	24/05/2019	may	serum	82.14	P	-	-	-	-	-	0.33	N	Endotracheal secretions	No fungal elements seen

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
214	708560	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
215	614283	No growth	N	No growth	N	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
216	702584	No growth	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	Y	N
217	711639	Candida albicans	Y	No growth	N	11.5	2.6	52	-	343	68	0.99	-	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
218	708604	No growth	Y	No growth	N	12.3	-	25	-	50	53	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
219	668822	No growth	N	No growth	N	11.4	1.4	8	0.68	115	-	-	-	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N
220	709000	No growth	N	No growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	N	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N
221	689653	No growth	N	E coli	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	Y	N	N
222	708994	No growth	Y	No growth	N	11.6	51	-	0.59	46	48	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
223	713351	No growth	Y	No growth	N	11.9	-	59	1.79	4661	5202	5.09	7.53	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
224	714544	No growth	Y	No growth	Y	13.5	2.4	-	0.68	-	-	0.6	0.5	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
225	713201	No growth	N	No growth	N	88	12.4	160	2.19	-	-	-	-	Y	Y	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
226	715528	No growth	Y	No growth	N	9.3	2.8	-	-	-	-	0.51	1.42	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
227	65521	No growth	N	No growth	N	10.9	12.1	51	2.57	-	-	-	-	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
228	64148	Candida albicans	N	No growth	N	10.1	14.2	296	7.4	-	-	-	-	N	N	Y	N	Y	N	Y	N	N	N	Y	N	N	N	N	N	N	N
229	708707	No growth	Y	No growth	N	5.4	10.3	-	-	-	-	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
230	712342	No growth	N	No growth	N	11.9	-	58	1.36	41	-	0.49	0.5	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
231	167571	No growth	N	No growth	N	10.3	13.2	75	-	80	-	2.73	4.1	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
232	703902	No growth	Y	No growth	N	11.1	14.9	70	1.46	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
233	717634	No growth	Y	No growth	N	12.2	50	8	0.5	52	52	-	-	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
234	714043	No growth	Y	No growth	N	15.2	11.6	8	-	85	100	-	-	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
235	716134	-	N	No growth	N	12.8	30.5	20	-	95	89	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
236	712970	No growth	N	No growth	N	11.2	30	20	0.2	50	50	0.2	0.32	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
237	715269	No growth	N	No growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
238	711472	No growth	N	No growth	N	10.4	29	90	0.62	60	60	1.3	1.03	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
239	716167	No growth	N	-	N	9.7	10.6	93	1.43	396	810	1.25	1.48	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
240	718633	Aspergillus flavus	Y	No growth	N	10.7	15.2	72	0.67	256	270	0.75	1.34	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
241	720648	No growth	N	No growth	N	11.6	3.9	76	1.42	270	120	0.36	1.38	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
242	113465	No growth	Y	Klebsiella pneumoniae	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
243	677254	No growth	N	E coli	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	Y	N
244	720751	No growth	N	No growth	Y	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
245	721369	Candida stellatoidea	N	No growth	N	10.5	50	169	3.05	54	60	1.25	1.35	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
246	717667	Candida albicans	Y	Candida albicans	Y	11.3	16.6	152	0.66	42	15	0.6	0.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
247	463589	No growth	Y	No growth	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
248	721910	No growth	Y	No growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
249	721429	No growth	Y	Staphylococcus epidermidis	N	11.6	25.6	56	1.2	99	71	0.78	1.03	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
250	719992	No growth	N	No growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
251	175063	No growth	N	No growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	N	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	Y	N	N
252	714009	No growth	N	salmonella typhi	Y	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
253	705096	No growth	N	No growth	Y	8.1	40	57	1.46	60	60	1.2	1.25	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
254	724653		Y	Candida albicans	Y	6.6	3.7	60	0.63	173	180	1.4	2	N	Y	Y	Y	N	Y	N	N	N	Y	N	N	N	N	N	Y	N	N
255	720749	No growth	N	No growth	N	11.4	10.5	72	1.53	176	192	3.5	4.86	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
256	721052	Candida tropicalis	N	Burkholderia cepacia	N	9.5	12.6	111	3.57	225	250	0.32	0.36	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
257	676628	No growth	N	Klebsiella pneumoniae	Y	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
258	717728	Aspergillus flavus	N	stenotrophomonas maltophila	N	11.3	3.9	103	1.79	60	65	0.33	1.31	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	Y	Y	N	N
259	726946	Aspergillus flavus	N	No growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
260	723946	No growth	N	Klebsiella pneumoniae	N	11.9	12.7	106	1.22	51	50	0.73	1.25	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
261	716133	No growth	N	Klebsiella pneumoniae	N	11.9	23.7	120	0.44	203	137	1.25	1.35	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
262	663181	No growth	Y	No growth	Y	9.6	11.5	114	0.69	75	66	16.25	21.09	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
263	281727	No growth	N	citrobacter koderi	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
264	728673	No growth	N	Staphylococcus aureus	N	11.3	0.3	103	1.79	-	-	0.33	-	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
265	727790	Candida tropicalis	N	Candida tropicalis	N	10.6	11.5	-	0.66	51	-	-	-	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
266	714694	Candida tropicalis	N	Candida tropicalis	N	5.2	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
267	669345	No growth	N	No growth	N	11.9	23.7	-	0.44	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
268	496259	No growth	N	Staphylococcus epidermidis	N	9.6	11.5	114	0.69	75	66	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
269	714781	Candida stellatoidea	N	No growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
270	729478	No growth	N	enterobacter cloacae	N	10.5	11.2	8	-	35	36	0.2	0.21	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
271	726328	No growth	N	No growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
272	726947	No growth	N	No growth	Y	10.6	10.4	9.5	-	55	52	0.2	0.5	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
273	717539	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
274	728712	Candida tropicalis	N	No growth	N	12.2	11	-	-	-	-	-	-	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
275	726962	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
276	725292	Candida stellatoidea	N	No growth	N	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
277	730769	Candida parapsilosis	N	Candida parapsilosis	N	11.4	13.7	63	1.71	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
278	730136	Candida tropicalis	Y	No growth	N	11.5	2.6	52	-	343	68	0.99	-	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N
279	722225	No growth	N	No growth	N	12.3	-	25	-	50	53	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
280	732304	No growth	N	No growth	Y	11.4	1.4	8	0.68	115	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
281	727127	Candida albicans	Y	candida albicans	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	N
282	723546	No growth	N	No growth	Y	7.6	5.3	112	1.46	51	51	0.54	0.6	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
283	734186	No growth	N	No growth	N	11.6	51	-	0.59	46	48	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
284	717785	No growth	N	No growth	Y	11.5	10.4	0.2	0.61	50	50	0.2	0.5	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
214	708560	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
215	614283	Acute renal failure	RENAL DISEASE	Y	Y	Y	N	Y	Y	N	N	Y	N	DISCHARGED
216	702584	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
217	711639	SEIZURES	NEUROLOGICAL DISEASE	Y	Y	Y	N	Y	N	N	N	Y	N	DEATH
218	708604	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	Y	N	N	N	DISCHARGED
219	668822	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	Y	Y	N	Y	Y	N	N	N	DISCHARGED
220	709000	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	N	N	Y	Y	Y	N	Y	N	N	DAMA
221	689653	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	N	N	DAMA
222	708994	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	Y	N	N	Y	N	N	DISCHARGED
223	713351	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	Y	Y	Y	Y	Y	N	N	DISCHARGED
224	714544	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
225	713201	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	Y	Y	N	N	N	DEATH
226	715528	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	Y	Y	N	N	N	N	N	DEATH
227	65521	Non hodgkin lymphoma	ONCOLOGICAL DISEASE	Y	Y	Y	Y	N	Y	N	N	N	Y	DISCHARGED
228	64148	Chronic obstructibe pulmonary disease	ONCOLOGICAL DISEASE	N	N	N	N	Y	N	Y	Y	N	N	DISCHARGED
229	708707	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	Y	Y	Y	N	Y	N	N	DISCHARGED
230	712342	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	N	Y	N	Y	N	N	Y	DAMA
231	167571	HYPERTENSION	CARDIOVASCULAR DISEASE	N	N	Y	Y	N	Y	N	N	N	N	DISCHARGED
232	703902	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	Y	N	N	N	Y	Y	DISCHARGED
233	717634	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
234	714043	gun shot injury	Miscellaneous	N	Y	N	N	Y	N	Y	N	N	N	DISCHARGED
235	716134	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	Y	N	N	N	Y	Y	DISCHARGED
236	712970	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	Y	N	N	N	DAMA
237	715269	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	Y	Y	N	N	N	DEATH
238	711472	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	Y	Y	Y	N	Y	N	N	DEATH
239	716167	Acute opioid poisoning	Miscellaneous	Y	N	Y	N	Y	N	N	N	N	N	DAMA
240	718633	interstitial lung disease	RESPIRATORY TRACT DISEASE	Y	Y	N	N	Y	N	N	Y	N	N	DISCHARGED
241	720648	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	Y	Y	Y	Y	Y	Y	N	N	DISCHARGED
242	113465	Acute renal failure	RENAL DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
243	677254	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	Y	Y	N	N	N	DISCHARGED
244	720751	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	Y	Y	N	N	N	N	N	DISCHARGED
245	721369	road side accident	Miscellaneous	N	N	N	Y	N	Y	N	N	N	Y	DISCHARGED
246	717667	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	N	Y	N	Y	Y	N	N	DISCHARGED
247	463589	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	N	Y	Y	Y	Y	N	Y	N	N	DISCHARGED
248	721910	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	N	Y	N	Y	N	N	Y	DISCHARGED
249	721429	Surgical Procedures	RENAL DISEASE	Y	N	N	Y	N	Y	N	N	N	N	DISCHARGED
250	719992	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	Y	N	Y	N	N	N	Y	Y	DISCHARGED
251	175063	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
252	714009	Chronic renal failure	RENAL DISEASE	N	Y	N	N	Y	N	Y	N	N	N	DISCHARGED
253	705096	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	Y	Y	N	N	N	Y	N	N	DISCHARGED
254	724653	Surgical Procedures	RENAL DISEASE	N	N	Y	N	Y	N	N	N	N	Y	DISCHARGED
255	720749	meningoencephalitis/Sepsis/Shock	Miscellaneous	Y	Y	Y	N	N	N	Y	N	N	Y	DISCHARGED
256	721052	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	Y	N	Y	N	N	Y	DISCHARGED
257	676628	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
258	717728	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
259	726946	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DAMA
260	723946	Surgical Procedures	NEUROLOGICAL DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
261	716133	road side accident/blunt trauma injury/laparotomy	Miscellaneous	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
262	663181	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
263	281727	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
264	728673	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	Y	Y	DISCHARGED
265	727790	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
266	714694	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
267	669345	crohn disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DAMA
268	496259	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	N	N	N	N	Y	N	N	Y	N	DISCHARGED
269	714781	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
270	729478	Surgical Procedures	NEUROLOGICAL DISEASE	Y	N	N	N	N	N	N	Y	N	N	DISCHARGED
271	726328	sepsis/shock/right above knee amputation/post ECMO	Miscellaneous	N	N	Y	N	Y	Y	N	Y	N	N	DEATH
272	726947	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	Y	Y	N	Y	N	N	N	N	N	N	DISCHARGED
273	717539	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	Y	N	Y	N	N	N	N	N	DISCHARGED
274	728712	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	Y	N	Y	N	N	DAMA
275	726962	roa d side accident/blunt trauma injury	Miscellaneous	N	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
276	725292	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	Y	N	N	DAMA
277	730769	head injury/blunt trauma	Miscellaneous	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
278	730136	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	N	Y	N	N	Y	N	DISCHARGED
279	722225	Chronic renal failure	RENAL DISEASE	Y	N	N	N	Y	N	N	N	N	N	DISCHARGED
280	732304	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	Y	Y	N	N	Y	DISCHARGED
281	727127	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
282	723546	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	N	Y	N	Y	DISCHARGED
283	734186	Acute renal failure	RENAL DISEASE	N	N	N	N	Y	N	N	N	Y	N	DISCHARGED
284	717785	Surgical Procedures	NEUROLOGICAL DISEASE	Y	N	Y	N	N	Y	N	N	N	Y	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
285	733136	J.K	76	6	F	416	STR-ICU	ICU	4	25/05/2019	may	serum	156.26	P	Y	437	1/6/2019	132.83	P	0.18	N	Sputum	No fungal elements seen
286	732465	S.S	25	1	M	418	EICU1	ICU	8	25/05/2019	may	serum	132.53	P	-	-	-	-	-	0.25	N	Endotracheal secretions	No fungal elements seen
287	522194	V.D	52	4	M	422	ICCU-2	ICU	15	27/05/2019	may	serum	44.45	N	Y	544	4/7/2019	<7.8	N	0.09	N	Endotracheal secretions	No fungal elements seen
288	737766	N.R	58	4	F	426	DWARD	MEDICAL WARD	10	29/05/2019	may	serum	102.93	P	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
289	574255	L.D	23	1	F	428	GASTRO-II	MEDICAL WARD	5	29/05/2019	may	serum	68.83	IND	-	-	-	-	-	0.09	N	Sputum	budding yeast like cells with pseudohyphae
290	738428	G.S	76	6	M	431	DWARD	MEDICAL WARD	17	30/05/2019	may	serum	110.1	P	-	-	-	-	-	0	N	Sputum	No fungal elements seen
291	738284	U.R	63	5	F	433	NEPHROLOGY	MEDICAL WARD	3	31/05/2019	may	serum	177.37	P	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
292	735122	J.S	53	4	M	434	DWARD	MEDICAL WARD	28	31/05/2019	may	serum	39.52	N	-	-	-	-	-	0.51	P	ascitic fluid	No fungal elements seen
293	738823	CJ.K	56	4	F	435	EICU2	ICU	13	1/6/2019	june	serum	303.48	P	-	-	-	-	-	0.08	N	Sputum	budding yeast like cells with pseudohyphae
294	336826	C.K	83	7	F	436	PCCU	ICU	10	1/6/2019	june	serum	64.45	IND	-	-	-	-	-	0.35	N	Sputum	budding yeast like cells with pseudohyphae
295	739124	P.R	73	6	F	438	EICU2	ICU	2	1/6/2019	june	serum	181.47	P	-	-	-	-	-	0.08	N	Sputum	No fungal elements seen
296	716149	V.B	38	2	M	440	FW351	MEDICAL WARD	36	1/6/2019	june	serum	17.12	N	-	-	-	-	-	1	P	Endotracheal secretions	No fungal elements seen
297	734398	D.S	33	2	M	441	EICU2	ICU	14	2/6/2019	june	serum	140.08	P	-	-	-	-	-	0.09	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
298	738501	U.K	35	2	F	443	HDU-2	ICU	6	2/6/2019	june	serum	30.14	N	-	-	-	-	-	0.16	N	Sputum	No fungal elements seen
299	618200	H.K	46	3	F	445	DWARD	MEDICAL WARD	13	3/6/2019	june	serum	64.44	IND	-	-	-	-	-	0.37	N	Sputum	No fungal elements seen
300	734354	AK.S	56	4	M	446	BICU	ICU	55	4/6/2019	june	serum	30.63	N	-	-	-	-	-	0.25	N	Endotracheal secretions	No fungal elements seen
301	563494	V.K	62	5	M	447	PCCU	ICU	10	4/6/2019	june	serum	147.26	P	-	-	-	-	-	0.14	N	Sputum	budding yeast like cells with pseudohyphae
302	733731	M.R	40	2	F	448	NEUROLOGY	MEDICAL WARD	14	4/6/2019	june	serum	18.5	N	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
303	735895	K.R	83	7	F	449	S-ICU	ICU	20	4/6/2019	june	serum	204.69	P	-	-	-	-	-	0.27	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
304	733411	A.K	39	2	M	450	T-ICU	ICU	35	5/6/2019	june	serum	67.44	N	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
305	739758	S.S	54	4	M	455	M-ICU	ICU	8	6/6/2019	june	serum	146.23	P	-	-	-	-	-	0.07	N	Endotracheal secretions	No fungal elements seen
306	70374	V.K	69	5	M	456	FWARD	MEDICAL WARD	13	8/6/2019	june	serum	42.92	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
307	743299	G.K	56	4	M	457	M-ICU	ICU	8	8/6/2019	june	serum	140.18	P	-	-	-	-	-	0.1	N	Sputum	budding yeast like cells with pseudohyphae
308	743509	S.K	63	5	F	458	EICU2	ICU	25	8/6/2019	june	serum	41.07	N	Y	503	23/06/2019	13.1	N	0.06	N	Sputum	No fungal elements seen
309	739139	J.K	71	6	F	459	EICU2	ICU	11	8/6/2019	june	serum	76.95	IND	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
310	721561	S.S	60	4	M	460	M-ICU	ICU	7	9/6/2019	june	serum	68.83	IND	-	-	-	-	-	0.18	N	Sputum	budding yeast like cells with pseudohyphae
311	21190	R.K.G	65	5	M	461	NSICU	ICU	5	9/6/2019	june	serum	134.16	P	-	-	-	-	-	0.03	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
312	610858	N.K	53	4	M	462	NEPHROLOGY	MEDICAL WARD	6	9/6/2019	june	serum	66.82	IND	Y	854	26/09/2019	64.03	IND	0.01	N	Endotracheal secretions	No fungal elements seen
313	743513	S.B	64	5	F	463	EICU2	ICU	7	10/6/2019	june	serum	24.95	N	-	-	-	-	-	0.18	N	Sputum	budding yeast like cells with pseudohyphae
314	744243	SU.B	45	3	F	464	PCCU	ICU	10	10/6/2019	june	serum	96.91	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
315	742102	S.K	64	5	M	465	ICCU-2	ICU	22	10/6/2019	june	serum	133.91	P	Y	558	8/7/2019	31.41	N	0.19	N	Sputum	budding yeast like cells with pseudohyphae
316	744131	J.S	61	5	M	467	EICU2	ICU	9	12/6/2019	june	serum	228.96	P	-	-	-	-	-	0.07	N	Endotracheal secretions	No fungal elements seen
317	744666	H.K	53	4	F	469	DWARD	MEDICAL WARD	10	12/6/2019	june	serum	85.36	P	-	-	-	-	-	0.73	P	Endotracheal secretions	No fungal elements seen
318	362651	A.K	64	5	M	471	ICCU-3	ICU	6	13/06/2019	june	serum	153.44	P	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
319	745076	C.S	51	4	M	472	PCCU	ICU	16	13/06/2019	june	serum	86.51	P	-	-	-	-	-	0.52	P	Endotracheal secretions	No fungal elements seen
320	431368	J.K	90	7	F	473	ICCU-2	ICU	80	13/06/2019	june	serum	510.52	P	Y	513	25/06/2019	460	P	0.67	P	Sputum	budding yeast like cells with pseudohyphae
321	737241	M.P	70	5	M	474	DWARD	MEDICAL WARD	21	13/06/2019	june	serum	44.95	N	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
322	323570	P.K	30	1	F	475	M-ICU	ICU	19	13/06/2019	june	serum	130.33	P	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
323	747927	S.B	56	4	F	477	EICU2	ICU	14	14/06/2019	june	serum	71.97	IND	-	-	-	-	-	0.24	N	Sputum	No fungal elements seen
324	746608	SHI	20	1	M	479	GASTRO-II	MEDICAL WARD	6	15/06/2019	june	serum	56.45	N	-	-	-	-	-	0	N	Sputum	No fungal elements seen
325	115964	K.S	58	4	M	480	T-ICU	ICU	60	15/06/2019	june	serum	>523	P	-	-	-	-	-	0.11	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
326	745006	J.K	76	6	F	481	DWARD	MEDICAL WARD	16	15/06/2019	june	serum	182.09	P	Y	522	27/06/2019	57.6	N	0.05	N	Sputum	budding yeast like cells with pseudohyphae
327	744794	S.A	64	5	M	482	STR-ICU	ICU	22	15/06/2019	june	serum	37.94	N	-	-	-	-	-	0.34	N	Sputum	budding yeast like cells with pseudohyphae
328	693656	K.S	63	5	M	483	NEPHROLOGY	MEDICAL WARD	7	15/06/2019	june	serum	>523	P	-	-	-	-	-	0.96	P	Sputum	No fungal elements seen
329	740468	V.K	35	2	F	484	T-ICU	ICU	3	16/06/2019	june	serum	58.55	N	-	-	-	-	-	0.96	P	Endotracheal secretions	No fungal elements seen
330	340609	K.S	72	6	F	487	DWARD	MEDICAL WARD	31	17/06/2019	june	serum	86.25	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
331	192412	H.S	81	7	M	489	SWARD	MEDICAL WARD	34	19/06/2019	june	serum	90.32	P	-	-	-	-	-	0.19	N	Sputum	budding yeast like cells with pseudohyphae
332	664082	K.K	58	4	F	491	NEPHROLOGY	MEDICAL WARD	24	19/06/2019	june	serum	>523	P	-	-	-	-	-	1.27	P	Sputum	budding yeast like cells with pseudohyphae
333	749409	B.K	74	6	F	492	FW371	MEDICAL WARD	10	20/06/2019	june	serum	85.1	P	Y	939	15/10/2019	81.25	P	3.39	P	Endotracheal secretions	No fungal elements seen
334	747171	V.K.V	43	3	M	493	MU-3	MEDICAL WARD	13	20/06/2019	june	serum	22.11	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
335	749078	AISH	23	1	F	495	M-ICU	ICU	10	21/06/2019	june	serum	67.49	IND	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
336	747345	N.C	67	5	M	496	FW151	MEDICAL WARD	13	21/06/2019	june	serum	81.16	P	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
337	750085	S.K	61	5	F	500	HDU-1	ICU	16	22/06/2019	june	serum	283.19	P	-	-	-	-	-	0.45	N	Sputum	budding yeast like cells with pseudohyphae
338	752575	L.B.P	56	4	M	501	EICU2	ICU	23	22/06/2019	june	serum	206.17	P	-	-	-	-	-	0.6	P	Endotracheal secretions	hyaline septate fungal hyphae
339	746301	M.D.B	60	4	F	502	HDU-1	ICU	25	22/06/2019	june	serum	343.55	P	-	-	-	-	-	0.35	N	Sputum	budding yeast like cells with pseudohyphae
340	753473	DHAR	61	5	M	504	MU-3	MEDICAL WARD	12	23/06/2019	june	serum	117.12	P	-	-	-	-	-	0.02	N	Endotracheal secretions	No fungal elements seen
341	749640	SHI	71	6	F	505	PCCU	ICU	7	23/06/2019	june	serum	171.12	P	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
342	264867	P.K	60	4	M	507	DWARD	MEDICAL WARD	16	24/06/2019	june	serum	121.17	P	-	-	-	-	-	0.05	N	Endotracheal secretions	No fungal elements seen
343	221610	M.D	67	5	F	508	DWARD	MEDICAL WARD	19	24/06/2019	june	serum	181.17	P	-	575	19/08/2019	152.8	P	0.1	N	Endotracheal secretions	No fungal elements seen
344	751916	M.S	51	4	M	509	PCCU	ICU	11	24/06/2019	june	serum	>523	P	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
345	753498	S.L	41	3	M	511	EICU2	ICU	11	25/06/2019	june	serum	92.71	P	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
346	752781	S.K	46	3	M	512	EICU2	ICU	28	25/06/2019	june	serum	73.22	IND	-	-	-	-	-	-	-	ascitic fluid	No fungal elements seen
347	739374	B.R	69	5	M	514	EICU2	ICU	7	26/06/2019	june	serum	29.28	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
348	752009	V.K	51	4	M	515	HDU-1	ICU	17	26/06/2019	june	serum	26.61	N	-	-	-	-	-	0.24	N	Endotracheal secretions	No fungal elements seen
349	754830	S.B	69	5	F	517	ICCU-2	ICU	20	26/06/2019	june	serum	321.9	P	y	549	4/7/2019	385.49	P	0.88	P	Sputum	No fungal elements seen
350	555544	S.A	80	6	M	518	ICCU-2	ICU	7	26/06/2019	june	serum	12.74	N	-	-	-	-	-	0.01	N	Endotracheal secretions	No fungal elements seen
351	749669	G.K	83	7	F	519	M-ICU	ICU	18	26/06/2019	june	serum	36.67	N	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
352	746675	S.S	21	1	M	520	NSICU	ICU	60	27/06/2019	june	serum	11.49	N	-	-	-	-	-	0.02	N	Endotracheal secretions	No fungal elements seen
353	698022	M.G	52	4	M	521	FW266	MEDICAL WARD	7	27/06/2019	june	serum	118.86	P	Y	1192	20/12/2019	42.06	N	0.6	N	Endotracheal secretions	No fungal elements seen
354	376041	K.K	41	3	M	523	PCCU	ICU	8	27/06/2019	june	serum	125.59	P	-	-	-	-	-	0.08	N	Endotracheal secretions	No fungal elements seen
355	604785	A.K	63	5	F	524	PCCU	ICU	8	27/06/2019	june	serum	>523	P	-	-	-	-	-	0.22	N	Endotracheal secretions	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
285	733136	No growth	Y	No growth	N	5.6	11.6	0.5	-	340	352	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
286	732465	No growth	Y	No growth	N	7.9	12.1	112	-	35	36	0.8	0.9	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
287	522194	No growth	N	No growth	N	10.2	-	-	2.3	-	-	9	10.4	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
288	737766	No growth	N	No growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
289	574255	Candida stellatoidea	N	No growth	N	11.3	0.3	103	1.79	-	-	0.33	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
290	738428	No growth	N	No growth	Y	10.6	11.5	-	0.66	51	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
291	738284	No growth	N	No growth	N	5.2	-	-	-	-	-	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
292	735122	No growth	N	No growth	N	11.9	23.7	-	0.44	-	-	-	-	N	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
293	738823	No growth	N	No growth	N	9.6	11.5	114	0.69	75	66	-	-	N	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
294	336826	Candida tropicalis	N	No growth	Y	9.5	11.6	118	0.8	50	50	0.3	0.25	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y
295	739124	No growth	N	No growth	Y	10.5	11.2	8	-	35	36	0.2	0.21	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
296	716149	No growth	N	escherichia coli	Y	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
297	734398	Candida tropicalis	N	No growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
298	738501	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
299	618200	No growth	N	Burkholderia cepacia	N	12.2	11	-	-	-	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
300	734354	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
301	563494	Candida albicans	N	No growth	Y	7.6	18.8	52	-	41	-	1.09	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N
302	733731	No growth	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
303	735895	Candida stellatoidea	N	No growth	N	11.5	2.6	52	-	343	68	0.99	-	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
304	733411	No growth	N	No growth	N	12.3	-	25	-	50	53	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
305	739758	No growth	N	No growth	Y	11.4	1.4	8	0.68	115	-	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
306	70374	No growth	N	No growth	Y	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
307	743299	Candida tropicalis	N	No growth	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
308	743509	No growth	N	candida albicans	Y	11.6	51	-	0.59	46	48	-	-	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
309	739139	No growth	N	No growth	N	11.9	-	59	1.79	4661	5202	5.09	7.53	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
310	721561	Candida stellatoidea	N	No growth	N	13.5	2.4	-	0.68	-	-	0.6	0.5	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
311	21190	Candida stellatoidea	N	No growth	N	88	12.4	160	2.19	-	-	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
312	610858	No growth	N	No growth	N	9.3	2.8	-	-	-	-	0.51	1.42	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
313	743513	No growth	N	No growth	N	10.9	12.1	51	2.57	-	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
314	744243	No growth	N	No growth	Y	10.1	14.2	296	7.4	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
315	742102	Candida tropicalis	N	No growth	Y	5.4	10.3	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
316	744131	No growth	N	No growth	N	11.9	-	58	1.36	41	-	0.49	0.5	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
317	744666	No growth	N	No growth	N	10.3	13.2	75	-	80	-	2.73	4.1	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
318	362651	No growth	N	Klebsiella pneumoniae	Y	11.1	14.9	70	1.46	-	-	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
319	745076	No growth	N	Staphylococcus aureus	y	12.2	50	8	0.5	52	52	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
320	431368	No growth	N	No growth	Y	15.2	11.6	8	-	85	100	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
321	737241	No growth	N	No growth	N	12.8	30.5	20	-	95	89	-	-	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
322	323570	No growth	N	No growth	N	11.2	30	20	0.2	50	50	0.2	0.32	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
323	747927	No growth	N	No growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
324	746608	No growth	N	Staphylococcus epidermidis	N	10.4	29	90	0.62	60	60	1.3	1.03	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
325	115964	Candida albicans	N	candida albicans	Y	9.7	10.6	93	1.43	396	810	1.25	1.48	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
326	745006	No growth	N	enterobacter cloacae	N	10.7	15.2	72	0.67	256	270	0.75	1.34	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
327	744794	Candida tropicalis	N	No growth	N	11.6	3.9	76	1.42	270	120	0.36	1.38	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
328	693656	No growth	N	No growth	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
329	740468	No growth	N	stenotrophomonas maltophila	Y	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
330	340609	No growth	N	No growth	Y	8.1	16.2	141	3.95	254	280	0.36	1.38	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
331	192412	Candida stellatoidea	N	No growth	N	10.5	50	169	3.05	54	60	1.25	1.35	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
332	664082	Candida albicans	N	No growth	Y	11.3	16.6	152	0.66	42	15	0.6	0.5	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
333	749409	No growth	N	escherichia coli	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N
334	747171	No growth	N	No growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
335	749078	No growth	N	Staphylococcus aureus	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
336	747345	No growth	N	No growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
337	750085	Candida stellatoidea	N	No growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	Y	Y	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
338	752575	No growth	N	Staphylococcus epidermidis	Y	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
339	746301	No growth	N	No growth	Y	8.1	40	57	1.46	60	60	1.2	1.25	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N
340	753473	No growth	N	No growth	Y	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N
341	749640	No growth	N	Acinetobacter baumannii	Y	11.4	10.5	72	1.53	176	192	3.5	4.86	Y	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N
342	264867	No growth	N	No growth	N	9.5	12.6	111	3.57	225	250	0.32	0.36	N	Y	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	Y	N	N
343	221610	No growth	N	No growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
344	751916	No growth	N	escherichia coli	Y	11.3	3.9	103	1.79	60	65	0.33	1.31	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
345	753498	No growth	N	No growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
346	752781	No growth	N	Klebsiella pneumoniae	N	11.9	12.7	106	1.22	51	50	0.73	1.25	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
347	739374	No growth	N	No growth	N	11.9	23.7	120	0.44	203	137	1.25	1.35	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
348	752009	No growth	N	Staphylococcus aureus	Y	9.6	11.5	114	0.69	75	66	16.25	21.09	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
349	754830	No growth	N	No growth	N	9.5	20.6	90	2.72	242	108	0.63	1.23	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
350	555544	No growth	N	No growth	N	-	10.8	60	1.69	163	42	9.77	11.1	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
351	749669	No growth	N	No growth	N	11.4	26.1	85	1.23	45	42	0.37	0.4	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
352	746675	No growth	N	No growth	N	11.1	20.9	9	0.5	51	55	0.78	1.03	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
353	698022	No growth	N	candida albicans	N	18.5	10.6	-	-	1139	678	0.32	0.25	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
354	376041	No growth	N	candida glabrata	N	11.2	30	20	0.2	50	50	0.2	0.32	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
355	604785	Candida tropicalis	N	No growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
285	733136	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	Y	N	N	N	DISCHARGED
286	732465	rsa/head injury	Miscellaneous	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
287	522194	meningitis	NEUROLOGICAL DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
288	737766	Hypertension/sepsis/uti	Miscellaneous	N	N	N	N	N	N	N	N	N	Y	DEATH
289	574255	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
290	738428	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
291	738284	Acute renal failure	RENAL DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
292	735122	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
293	738823	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DAMA
294	336826	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
295	739124	snake bite/hypotension	Miscellaneous	N	N	Y	N	N	N	N	N	N	Y	DEATH
296	716149	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
297	734398	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	Y	N	N	N	N	DISCHARGED
298	738501	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
299	618200	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
300	734354	electric burns	Miscellaneous	Y	N	N	N	Y	N	N	N	N	N	DEATH
301	563494	Acute renal failure	RENAL DISEASE	Y	N	Y	N	N	N	Y	N	N	Y	DISCHARGED
302	733731	Surgical Procedures	NEUROLOGICAL DISEASE	Y	Y	Y	N	N	N	N	N	N	N	DISCHARGED
303	735895	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
304	733411	Surgical Procedures	NEUROLOGICAL DISEASE	N	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
305	739758	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	Y	N	N	N	N	N	DISCHARGED
306	70374	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	Y	N	N	N	N	Y	Y	DISCHARGED
307	743299	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	Y	N	DISCHARGED
308	743509	Surgical Procedures	RENAL DISEASE	N	N	Y	N	Y	N	N	N	N	Y	DEATH
309	739139	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
310	721561	Acute renal failure	RENAL DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DISCHARGED
311	21190	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
312	610858	meningitis	NEUROLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
313	743513	dm/sepsis/shock	Miscellaneous	Y	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
314	744243	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	Y	N	N	N	N	DAMA
315	742102	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
316	744131	road side accident/head injury	Miscellaneous	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
317	744666	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
318	362651	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	Y	N	N	N	Y	N	N	Y	DISCHARGED
319	745076	meningitis	NEUROLOGICAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
320	431368	dm/htn/aki/sepsis	Miscellaneous	Y	N	Y	N	Y	N	N	N	N	Y	DISCHARGED
321	737241	HYPERTENSION	CARDIOVASCULAR DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
322	323570	intrauterine device/post lscs	Miscellaneous	N	Y	Y	N	Y	N	N	N	N	N	DISCHARGED
323	747927	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
324	746608	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	N	Y	N	N	N	N	N	DISCHARGED
325	115964	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	Y	N	N	N	N	N	N	DEATH
326	745006	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
327	744794	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
328	693656	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DISCHARGED
329	740468	intracranial harmorrhage/post LSCS	Miscellaneous	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
330	340609	Surgical Procedures	CARDIOVASCULAR DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
331	192412	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	Y	N	N	N	N	N	Y	DAMA
332	664082	Acute renal failure	RENAL DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
333	749409	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
334	747171	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
335	749078	systemic lupus erythematosus with organ involvement	Miscellaneous	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
336	747345	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
337	750085	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	N	N	N	N	N	Y	DAMA
338	752575	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
339	746301	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
340	753473	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	Y	DAMA
341	749640	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	N	Y	DISCHARGED
342	264867	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
343	221610	Chronic renal failure	RENAL DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
344	751916	Chronic renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DISCHARGED
345	753498	snake bite	Miscellaneous	N	Y	Y	N	N	Y	N	N	N	N	DISCHARGED
346	752781	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
347	739374	Surgical Procedures	RENAL DISEASE	N	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
348	752009	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	Y	N	N	N	N	N	DISCHARGED
349	754830	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	N	N	Y	N	N	Y	DISCHARGED
350	555544	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
351	749669	uti/sepsis	Miscellaneous	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
352	746675	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
353	698022	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
354	376041	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
355	604785	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
356	733888	Y.K	44	3	M	525	EICU2	ICU	43	28/06/2019	june	serum	241.46	P	-	-	-	-	-	0.5	P	Sputum	budding yeast like cells with pseudohyphae
357	631290	G.B	60	4	M	526	DWARD	MEDICAL WARD	7	28/06/2019	june	serum	76.68	IND	-	-	-	-	-	0.66	P	Sputum	budding yeast like cells with pseudohyphae
358	740367	A.S	61	5	M	527	ICCU-2	ICU	14	28/06/2019	june	serum	99.45	P	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
359	622132	S.S.K	86	7	M	528	ICCU-4	ICU	10	28/06/2019	june	serum	>523	P	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
360	741368	N.S	24	1	M	529	HDU-1	ICU	4	29/06/2019	june	serum	80.62	IND	-	-	-	-	-	0.31	N	ascitic fluid	No fungal elements seen
361	714651	G.S	45	3	M	530	NEPHROLOGY	MEDICAL WARD	27	29/06/2019	june	serum	>523	P	-	-	-	-	-	0.7	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
362	564919	S.P	24	1	M	531	EICU2	ICU	8	29/06/2019	june	serum	105.35	P	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
363	752712	M.M.S	75	6	M	532	STR-ICU	ICU	26	30/6/2019	june	serum	65.37	IND	-	-	11/7/2019	21.56	N	0.2	N	Sputum	No fungal elements seen
364	68520	I.K	78	6	F	533	DWARD	MEDICAL WARD	24	30/6/2019	june	serum	84.03	P	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
365	209162	R.L	78	6	M	535	NEPHROLOGY	MEDICAL WARD	7	30/06/2019	june	serum	146.19	P	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
366	82106	M.S	74	6	M	536	M-ICU	ICU	15	1/7/2019	july	serum	178.07	P	-	-	-	-	-	0.16	N	Endotracheal secretions	No fungal elements seen
367	753599	T.S	87	7	M	537	ICCU-1	ICU	22	1/7/2019	july	serum	83.46	P	-	-	-	-	-	0.08	N	Sputum	budding yeast like cells with pseudohyphae
368	749659	MEEN	27	1	F	538	S-ICU	ICU	28	2/7/2019	july	serum	<7.8	N	-	-	-	-	-	0.04	N	pleural fluid	No fungal elements seen
369	581343	S.S	59	4	M	539	HDU-1	ICU	10	3/7/2019	july	serum	24.6	N	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
370	139748	J.S	68	5	M	540	DWARD	MEDICAL WARD	29	3/7/2019	july	serum	213.38	P	-	513	1/8/2019	89.22	P	0.05	N	Sputum	budding yeast like cells with pseudohyphae
371	519503	PAR	66	5	M	541	HDU-1	ICU	10	4/7/2019	july	serum	32.3	N	-	-	-	-	-	0.21	N	Sputum	No fungal elements seen
372	753487	N.T	21	1	M	542	EICU2	ICU	18	4/7/2019	july	serum	<7.8	N	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae
373	758900	M.S	33	2	M	543	EICU2	ICU	5	4/7/2019	july	serum	<7.8	N	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
374	761023	H.L	63	5	M	545	M-ICU	ICU	11	4/7/2019	july	serum	469.02	P	-	563	9/7/2019	427.42	P	1.26	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
375	759015	POO	53	4	F	546	ICCU-1	ICU	8	4/7/2019	july	serum	130.59	P	-	-	-	-	-	0.3	N	ascitic fluid	No fungal elements seen
376	692032	V.K	67	5	F	547	M-ICU	ICU	15	4/7/2019	july	serum	323.13	P	-	-	-	-	-	0.42	N	Sputum	No fungal elements seen
377	574456	R.M	73	6	F	548	DWARD	MEDICAL WARD	12	4/7/2019	july	serum	140.8	P	-	-	-	-	-	0.07	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
378	757938	K.S	88	7	M	550	HDU-1	ICU	16	5/7/2019	july	serum	<7.8	N	-	564	10/7/2019	<7.8	N	0.13	N	Sputum	No fungal elements seen
379	760945	D.J	64	5	M	551	NEPHROLOGY	MEDICAL WARD	65	5/7/2019	july	serum	<7.8	N	-	-	-	-	-	0.3	N	Endotracheal secretions	No fungal elements seen
380	756529	A.S	21	1	M	552	EICU2	ICU	22	6/7/2019	july	serum	108.4	P	-	-	-	-	-	0.67	P	Endotracheal secretions	No fungal elements seen
381	754972	U.R	63	5	F	553	LIVERCARE	MEDICAL WARD	17	6/7/2019	july	serum	147.62	P	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
382	753453	B.R	76	6	F	555	ICCU-1	ICU	7	7/7/2019	july	serum	20.11	N	-	-	-	-	-	0.28	N	Endotracheal secretions	No fungal elements seen
383	743668	SAN	47	3	F	556	NEPHROLOGY	MEDICAL WARD	7	8/7/2019	july	serum	26.43	N	-	-	-	-	-	0.74	P	Sputum	No fungal elements seen
384	762515	S.K	56	4	F	557	EICU2	ICU	10	8/7/2019	july	serum	53.51	N	-	-	-	-	-	1.27	P	Sputum	budding yeast like cells with pseudohyphae
385	762383	A.S	63	5	M	559	EICU2	ICU	6	8/7/2019	july	serum	24.16	N	-	-	-	-	-	0.26	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
386	685945	R.D.C	83	7	M	560	ICCU-3	ICU	17	8/7/2019	july	serum	39.57	N	-	-	-	-	-	0.22	N	Sputum	No fungal elements seen
387	128911	S.G	74	6	M	561	STR-ICU	ICU	5	9/7/2019	july	serum	40.49	N	-	-	-	-	-	0.22	N	Sputum	No fungal elements seen
388	763558	G.A	30	1	M	562	EICU2	ICU	4	9/7/2019	july	serum	133.99	P	-	-	-	-	-	0.27	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
389	749204	G.S	33	2	M	565	S-ICU	ICU	52	10/7/2019	july	serum	34.64	N	-	507	30/07/2019	91.4	P	0.17	N	Sputum	No fungal elements seen
390	755012	V.J	51	4	M	566	EICU2	ICU	8	10/7/2019	july	serum	12.3	N	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
391	274575	G.K	74	6	F	567	EICU2	ICU	5	10/7/2019	july	serum	519.87	P	-	-	-	-	-	0.44	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
392	757981	A.T	20	1	M	569	T-ICU	ICU	17	11/7/2019	july	serum	<7.8	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
393	71215	J.K	74	6	M	570	DWARD	MEDICAL WARD	6	11/7/2019	july	serum	21.47	N	-	-	-	-	-	0.58	P	Endotracheal secretions	No fungal elements seen
394	761822	S.A	64	5	F	572	ICCU-2	ICU	21	11/7/2019	july	serum	66.62	IND	-	-	-	-	-	-	-	Sputum	No fungal elements seen
395	762644	G.B.M	73	6	M	573	ICCU-2	ICU	11	11/7/2019	july	serum	63.04	IND	-	-	-	-	-	0.4	N	ascitic fluid	No fungal elements seen
396	753522	C.S.N	77	6	F	574	ICCU-2	ICU	22	11/7/2019	july	serum	68.31	IND	-	489	20/07/2019	27.2	N	0.54	P	Sputum	No fungal elements seen
397	4579	S.D	57	4	M	575	M-ICU	ICU	25	12/7/2019	july	serum	71.3	IND	-	609	27/07/2019	54.11	N	0.55	P	Sputum	budding yeast like cells with pseudohyphae
398	761056	V.K	66	5	M	576	STR-ICU	ICU	11	13/07/2019	july	serum	28.03	N	-	-	-	-	-	0.23	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
399	759780	P.S	58	4	M	578	T-ICU	ICU	28	13/7/2019	july	serum	145.99	P	-	-	-	-	-	0.55	P	Endotracheal secretions	hyaline septate fungal hyphae
400	763488	P.G	55	4	M	579	PCCU	ICU	7	14/07/2019	july	serum	91.6	P	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
401	762733	S.J	31	2	F	580	LIVERCARE	MEDICAL WARD	43	14/07/2019	july	serum	113.37	P	-	599	20/07/2019	83.66	P	1.14	P	Endotracheal secretions	No fungal elements seen
402	267166	R.L	69	5	M	581	EICU1	ICU	3	14/07/2019	july	serum	273.95	P	-	-	-	-	-	0.76	P	Endotracheal secretions	No fungal elements seen
403	686761	W.M	71	6	M	583	NSICU	ICU	27	14/07/2019	july	serum	>523	P	-	596	19/07/2019	>523	P	0.14	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
404	754560	J.S.S	85	7	M	584	DWARD	MEDICAL WARD	25	14/07/2019	july	serum	<7.8	N	Y	1123	5/12/2019	42.2	N	0.23	N	Endotracheal secretions	No fungal elements seen
405	765542	S.S	39	2	M	585	M-ICU	ICU	16	15/07/2019	july	serum	24.93	N	-	-	-	-	-	0.37	N	Sputum	budding yeast like cells with pseudohyphae
406	765946	A.S	71	6	M	586	HDU-1	ICU	9	15/07/2019	july	serum	23.72	N	-	-	-	-	-	0.75	P	Sputum	No fungal elements seen
407	489961	A.K	44	3	F	587	HDU-1	ICU	23	15/07/2019	july	serum	<7.8	N	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
408	763691	S.D	49	3	F	589	EICU1	ICU	3	15/07/2019	july	serum	<7.8	N	-	-	-	-	-	0.29	N	Sputum	No fungal elements seen
409	764230	O.D.S	75	6	M	590	EICU1	ICU	47	16/07/2019	july	serum	<7.8	N	-	669	14/08/2019	50.03	N	0.49	N	Sputum	budding yeast like cells with pseudohyphae
410	762678	A.K	28	1	F	591	M-ICU	ICU	6	16/07/2019	july	serum	>523	P	-	-	-	-	-	0.55	N	Sputum	No fungal elements seen
411	767170	M.K	56	4	F	592	M-ICU	ICU	4	17/07/2019	july	serum	>523	P	-	-	-	-	-	0.27	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
412	767165	M.S	61	5	M	593	EICU2	ICU	4	17/07/2019	july	serum	<7.8	N	-	-	-	-	-	0.79	P	Endotracheal secretions	No fungal elements seen
413	424314	A.V	61	5	M	594	HDU-1	ICU	18	18/07/2019	july	serum	<7.8	N	-	-	-	-	-	0.27	N	Sputum	No fungal elements seen
414	766719	B.S	78	6	M	595	NEPHROLOGY	MEDICAL WARD	6	19/07/2019	july	serum	<7.8	N	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
415	770760	J.K	39	2	F	596	FWARD	MEDICAL WARD	5	19/07/2019	july	serum	32.08	N	-	-	-	-	-	0.01	N	Endotracheal secretions	No fungal elements seen
416	535544	S.M.S	43	3	M	597	NEPHROLOGY	MEDICAL WARD	6	20/07/2019	july	serum	<7.8	N	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
417	256823	S.D	69	5	F	599	DWARD	MEDICAL WARD	1	21/07/2019	july	serum	523	P	-	-	-	-	-	1.08	P	Endotracheal secretions	No fungal elements seen
418	741218	K.K	63	5	M	600	FWARD	MEDICAL WARD	6	22/07/2019	july	serum	397.76	P	-	-	-	-	-	0.31	N	Sputum	No fungal elements seen
419	771685	J.S	46	3	M	601	EICU1	ICU	3	22/07/2019	july	serum	289.95	P	-	-	-	-	-	0.02	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
420	768115	J.K	77	6	F	602	M-ICU	ICU	21	23/07/2019	july	serum	77.47	IND	-	-	-	-	-	0.18	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
421	696968	VIK	36	2	M	603	CHEST	MEDICAL WARD	3	24/07/2019	july	serum	75.85	IND	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
422	768796	G.K	78	6	F	604	HDU-2	ICU	24	25/07/2019	july	serum	96.94	P	-	-	-	-	-	0.23	N	Endotracheal secretions	No fungal elements seen
423	769417	D.K	58	4	F	605	EICU2	ICU	12	25/07/2019	july	serum	86.35	P	-	-	-	-	-	0.23	N	Sputum	No fungal elements seen
424	770249	R.C	29	1	M	606	MU-3	MEDICAL WARD	8	26/07/2019	july	serum	28.86	N	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
425	770991	T.S	30	1	M	607	FW266	MEDICAL WARD	8	27/07/2019	july	serum	54.08	N	-	-	-	-	-	0.18	N	Sputum	No fungal elements seen
426	771000	C.S	74	6	M	608	G-ICU	ICU	11	27/07/2019	july	serum	236.33	P	-	-	-	-	-	0.23	N	Endotracheal secretions	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
356	733888	Candida stellatoidea	N	No growth	N	11.3	0.3	103	1.79	-	-	0.33	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	N	N
357	631290	No growth	N	escherichia coli	N	10.6	11.5	-	0.66	51	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
358	740367	No growth	N	No growth	N	5.2	-	-	-	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
359	622132	No growth	N	No growth	N	11.9	23.7	-	0.44	-	-	-	-	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
360	741368	No growth	N	No growth	N	9.6	11.5	114	0.69	75	66	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
361	714651	Candida tropicalis	N	No growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
362	564919	No growth	N	No growth	Y	10.5	11.2	8	-	35	36	0.2	0.21	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
363	752712	No growth	N	No growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
364	68520	No growth	N	No growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N
365	209162	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
366	82106	No growth	N	No growth	N	12.2	11	-	-	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N
367	753599	Candida stellatoidea	N	Staphylococcus haemolyticus	N	10.2	11.3	-	0.61	46	52	-	-	N	N	N	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
368	749659	No growth	N	Staphylococcus epidermidis	Y	7.6	18.8	52	-	41	-	1.09	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
369	581343	Candida tropicalis	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
370	139748	No growth	N	Klebsiella pneumoniae	N	11.5	2.6	52	-	343	68	0.99	-	N	Y	N	N	N	Y	N	N	N	N	Y	N	N	N	N	Y	Y	N
371	519503	No growth	N	No growth	Y	12.3	-	25	-	50	53	-	-	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N	N	N
372	753487	No growth	N	No growth	N	11.4	1.4	8	0.68	115	-	-	-	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
373	758900	No growth	N	ralstonia picketti	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N
374	761023	Candida tropicalis	N	Candida tropicalis	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
375	759015	No growth	N	No growth	N	11.9	23.7	-	0.44	-	-	-	-	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
376	692032	No growth	N	Acinetobacter baumannii	N	9.6	11.5	114	0.69	75	66	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
377	574456	Candida stellatoidea	N	No growth	Y	9.5	11.6	118	0.8	50	50	0.3	0.25	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
378	757938	No growth	N	No growth	N	10.5	11.2	8	-	35	36	0.2	0.21	N	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	Y	N	N
379	760945	No growth	N	No growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
380	756529	No growth	N	No growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
381	754972	No growth	N	No growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N
382	753453	No growth	N	No growth	N	12.2	11	-	-	-	-	-	-	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
383	743668	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
384	762515	Candida stellatoidea	N	No growth	Y	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
385	762383	No growth	N	No growth	N	11.4	13.7	63	1.71	-	-	-	-	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
386	685945	No growth	N	No growth	N	11.5	2.6	52	-	343	68	0.99	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
387	128911	No growth	N	No growth	N	12.3	-	25	-	50	53	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
388	763558	No growth	N	No growth	N	11.4	1.4	8	0.68	115	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
389	749204	No growth	N	Staphylococcus epidermidis	Y	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
390	755012	No growth	N	No growth	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
391	274575	Candida tropicalis	N	No growth	N	7.8	2.5	-	-	-	-	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
392	757981	No growth	N	No growth	N	11.9	16.2	0.5	0.68	34	30	0.33	0.35	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
393	71215	No growth	N	Staphylococcus haemolyticus	N	9.2	15.6	24	1.2	40	38	4.48	5.05	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
394	761822	No growth	N	No growth	N	8.6	15.2	25	1.6	50	52	1.7	1.78	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
395	762644	No growth	N	-	N	7.5	11.3	25	1.25	50	50	0.9	0.8	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
396	753522	No growth	N	No growth	N	6.5	15.2	26	0.9	40	42	0.6	0.7	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
397	4579	No growth	N	No growth	Y	7.8	2.5	25	0.6	35	36	0.5	0.6	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
398	761056	No growth	N	No growth	N	9.5	29	20	0.9	35	36	0.8	0.7	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
399	759780	Aspergillus flavus	N	No growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	N	Y	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	Y	N
400	763488	No growth	N	No growth	N	10.4	29	90	0.62	60	50	0.9	0.89	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
401	762733	No growth	N	No growth	N	9.7	10.6	93	1.43	396	799	0.75	0.5	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N
402	267166	No growth	N	Klebsiella pneumoniae	N	10.7	15.2	72	0.67	254	268	0.75	0.6	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
403	686761	Candida tropicalis	N	Klebsiella pneumoniae	Y	12.4	52	170	3.5	170	275	75	1.34	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
404	754560	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
405	765542	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
406	765946	No growth	N	No growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
407	489961	No growth	N	No growth	N	12.6	50	169	3.05	54	60	1.25	1.35	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
408	763691	No growth	N	No growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
409	764230	No growth	N	Klebsiella pneumoniae	N	10.4	29	90	0.62	60	50	0.9	0.89	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
410	762678	No growth	N	No growth	Y	9.7	10.6	93	1.43	396	799	0.75	0.5	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N
411	767170	Candida stellatoidea	N	No growth	Y	10.7	15.2	72	0.67	254	268	0.75	0.6	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
412	767165	No growth	N	No growth	Y	12.4	52	170	3.5	170	275	75	1.34	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
413	424314	No growth	N	serratia marcescens	N	9.7	10.6	93	1.43	396	810	1.25	1.48	N	Y	Y	N	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N
414	766719	No growth	N	No growth	N	10.7	15.2	72	0.67	256	270	0.75	1.34	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
415	770760	No growth	N	No growth	Y	11.6	3.9	76	1.42	270	120	0.36	1.38	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
416	535544	No growth	N	No growth	Y	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N
417	256823	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
418	741218	No growth	N	No growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
419	771685	Candida tropicalis	N	Staphylococcus aureus	N	10.5	50	169	3.05	54	60	1.25	1.35	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
420	768115	Candida tropicalis	N	No growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
421	696968	No growth	N	No growth	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
422	768796	No growth	N	No growth	Y	11.5	18.4	9	0.46	203	137	0.37	0.45	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
423	769417	No growth	N	No growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
424	770249	No growth	N	No growth	Y	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
425	770991	No growth	N	No growth	N	11.7	16.6	152	0.52	200	210	12	12.6	Y	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
426	771000	Candida tropicalis	N	No growth	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Antifungal	Outcome
356	733888	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
357	631290	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DISCHARGED
358	740367	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
359	622132	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
360	741368	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
361	714651	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	Y	N	N	N	N	DISCHARGED
362	564919	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DISCHARGED
363	752712	Surgical Procedures	NEUROLOGICAL DISEASE	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
364	68520	htn/dm/coad/hypothroidism	Miscellaneous	Y	N	N	Y	N	N	N	N	N	N	DAMA
365	209162	Chronic renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
366	82106	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
367	753599	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DEATH
368	749659	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
369	581343	p.foliaceous	Miscellaneous	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
370	139748	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
371	519503	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DAMA
372	753487	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
373	758900	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
374	761023	Chronic renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
375	759015	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
376	692032	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	Y	Y	N	N	N	N	Y	DISCHARGED
377	574456	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
378	757938	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
379	760945	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
380	756529	Acute renal failure	RENAL DISEASE	N	N	N	N	Y	N	N	N	N	Y	DISCHARGED
381	754972	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
382	753453	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
383	743668	psoriasis	Miscellaneous	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
384	762515	head injury/blunt trauma	Miscellaneous	N	Y	N	N	N	Y	N	N	N	N	DEATH
385	762383	Acute renal failure	RENAL DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
386	685945	dm/uti/sepsis	Miscellaneous	N	Y	N	N	N	N	N	Y	N	N	DISCHARGED
387	128911	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
388	763558	Chronic renal failure	RENAL DISEASE	Y	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
389	749204	rsa with btc,bta	Miscellaneous	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
390	755012	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
391	274575	dm2/septic shock	Miscellaneous	Y	Y	N	N	N	N	Y	N	N	Y	DAMA
392	757981	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	N	Y	N	N	N	N	N	DISCHARGED
393	71215	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
394	761822	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
395	762644	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
396	753522	Acute renal failure	RENAL DISEASE	Y	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
397	4579	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
398	761056	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
399	759780	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
400	763488	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	Y	N	N	N	N	DISCHARGED
401	762733	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
402	267166	sepsis/shock	Miscellaneous	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
403	686761	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
404	754560	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
405	765542	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	N	DAMA
406	765946	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
407	489961	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DAMA
408	763691	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
409	764230	Acute renal failure	RENAL DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
410	762678	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	N	Y	N	Y	DISCHARGED
411	767170	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DEATH
412	767165	Acute renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DAMA
413	424314	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
414	766719	Acute febrile illness/Thrombocytopenia	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
415	770760	Surgical Procedures	CARDIOVASCULAR DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DAMA
416	535544	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	Y	N	N	DISCHARGED
417	256823	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
418	741218	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
419	771685	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DAMA
420	768115	opiod overdose	Miscellaneous	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
421	696968	systemic lupus erythematosus with organ involvement	Miscellaneous	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
422	768796	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	Y	DISCHARGED
423	769417	Acute renal failure	RENAL DISEASE	Y	Y	Y	N	N	N	N	Y	N	N	DEATH
424	770249	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
425	770991	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DAMA
426	771000	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	Y	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
427	771070	J.K	60	4	F	610	ICCU-2	ICU	5	27/07/2019	july	serum	>523	P	-	-	-	-	-	0.22	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
428	409606	R.S	76	6	M	612	FW266	MEDICAL WARD	6	28/07/2019	july	serum	85.7	P	-	-	-	-	-	0.1	N	Sputum	budding yeast like cells with pseudohyphae
429	771873	S.S	47	3	M	613	M-ICU	ICU	9	29/07/2019	july	serum	184.84	P	-	-	-	-	-	0.39	N	Endotracheal secretions	No fungal elements seen
430	776717	A.K	58	4	M	615	DWARD	MEDICAL WARD	11	29/07/2019	july	serum	339.72	P	-	-	-	-	-	0.14	N	Sputum	budding yeast like cells with pseudohyphae
431	773647	B.D	90	7	M	617	PCCU	ICU	10	30/07/2019	july	serum	175.33	P	-	-	-	-	-	0.26	N	Sputum	No fungal elements seen
432	489398	R.K	62	5	M	619	DWARD	MEDICAL WARD	5	30/07/2019	july	serum	66.99	IND	-	-	-	-	-	1.64	P	Endotracheal secretions	No fungal elements seen
433	772831	A.K	70	5	M	620	STR-ICU	ICU	57	31/07/2019	july	serum	203.55	P	-	-	-	-	-	0.09	N	tissue	budding yeast like cells with pseudohyphae
434	776625	R.K	67	5	M	621	NEPHROLOGY	MEDICAL WARD	16	31/07/2019	july	serum	11.67	N	-	-	-	-	-	0.07	N	Endotracheal secretions	No fungal elements seen
435	772839	GUR	25	1	F	622	FW371	MEDICAL WARD	17	31/07/2019	july	serum	22.73	N	-	-	-	-	-	0.03	N	Sputum	No fungal elements seen
436	777340	B.S	65	5	M	623	M-ICU	ICU	14	31/07/2019	july	serum	85.27	P	-	-	-	-	-	0.02	N	Sputum	No fungal elements seen
437	778278	H.K	60	4	F	625	ICCU-1	ICU	6	1/8/2019	august	serum	201.46	P	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
438	756020	K.G	83	7	M	626	ICCU-2	ICU	17	1/8/2019	august	serum	14.71	N	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
439	430749	J.S	67	5	M	627	DWARD	MEDICAL WARD	14	1/8/2019	august	serum	99.95	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
440	771644	R.S	53	4	M	628	GASTRO-II	MEDICAL WARD	23	1/8/2019	august	serum	108.02	P	-	-	-	-	-	0.18	N	Sputum	No fungal elements seen
441	775010	J.S	51	4	M	630	G-ICU	ICU	12	3/8/2019	august	serum	232.53	P	-	-	-	-	-	0.44	N	tissue	budding yeast like cells with pseudohyphae
442	778288	Y.P	66	5	M	634	M-ICU	ICU	14	4/8/2019	august	serum	74.1	IND	-	-	-	-	-	0.17	N	Endotracheal secretions	No fungal elements seen
443	779130	H.S	23	1	M	635	M-ICU	ICU	9	4/8/2019	august	serum	85.9	P	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
444	775086	K.K	60	4	F	636	ICCU-1	ICU	2	4/8/2019	august	serum	163.79	P	-	-	-	-	-	0.25	N	Sputum	No fungal elements seen
445	782204	M.K	53	4	M	638	EICU1	ICU	12	5/8/2019	august	serum	>523	P	-	-	-	-	-	0.16	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
446	776635	C.S	34	2	F	639	ICCU-1	ICU	22	6/8/2019	august	serum	103.77	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
447	772931	W.A	66	5	M	640	NEPHROLOGY	MEDICAL WARD	20	6/8/2019	august	serum	54.16	N	-	-	-	-	-	0.47	N	Sputum	No fungal elements seen
448	407244	U.B	68	5	F	641	ONCOLOGY	ONCOLOGY	6	8/8/2019	august	serum	78.7	IND	-	-	-	-	-	0.2	N	tissue	budding yeast like cells with pseudohyphae
449	766967	S.K	53	4	F	642	EICU2	ICU	28	8/8/2019	august	serum	149.2	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
450	742379	S.K.D	63	5	M	643	STR-ICU	ICU	45	9/8/2019	august	serum	86.8	P	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
451	776579	H.S	24	1	M	644	NEPHROLOGY	MEDICAL WARD	12	9/8/2019	august	serum	90.8	P	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
452	780420	M.K	61	5	F	645	PCCU	ICU	21	9/8/2019	august	serum	>523	P	-	553	14/08/2019	374.8	P	0.69	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
453	781844	B.R	73	6	M	646	M-ICU	ICU	5	9/8/2019	august	serum	>523	P	-	-	-	-	-	0.6	P	Sputum	No fungal elements seen
454	25060	A.K	45	3	F	647	S-ICU	ICU	13	9/8/2019	august	serum	129	P	-	-	-	-	-	0.25	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
455	783874	M.S	43	3	M	648	EICU1	ICU	2	10/8/2019	august	serum	39.4	N	-	-	-	-	-	0.45	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
456	162101	S.C	65	5	F	649	M-ICU	ICU	13	10/8/2019	august	serum	180.7	P	-	-	-	-	-	0.28	N	tissue	budding yeast like cells with pseudohyphae
457	734099	D.S	66	5	M	650	NEPHROLOGY	MEDICAL WARD	4	11/8/2019	august	serum	35.2	N	-	-	-	-	-	0.34	N	Sputum	No fungal elements seen
458	692500	S.C.K	71	6	M	651	ONCOLOGY	ONCOLOGY	16	11/8/2019	august	serum	436.8	P	-	-	-	-	-	0.23	N	Sputum	budding yeast like cells with pseudohyphae
459	776684	M.K	58	4	F	652	DWARD	MEDICAL WARD	22	11/8/2019	august	serum	18	N	-	-	-	-	-	0.29	N	Endotracheal secretions	No fungal elements seen
460	613804	K.K	56	4	M	653	PCCU	ICU	23	11/8/2019	august	serum	202.6	P	-	696	22/08/2019	229.9	P	0.31	N	Sputum	budding yeast like cells with pseudohyphae
461	781108	N.S	57	4	M	654	PCCU	ICU	9	11/8/2019	august	serum	70.1	IND	-	-	-	-	-	0.12	N	Endotracheal secretions	No fungal elements seen
462	781159	M.K	61	5	F	655	ICCU	ICU	18	11/8/2019	august	serum	11.6	N	-	-	-	-	-	0.36	N	Sputum	No fungal elements seen
463	784273	M.S	101	7	M	657	FWARD	MEDICAL WARD	6	12/8/2019	august	serum	22.4	N	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
464	782600	N.S	51	4	M	658	HDU-I	ICU	10	12/8/2019	august	serum	28	N	-	-	-	-	-	1.44	P	Sputum	budding yeast like cells with pseudohyphae
465	783027	P.S	59	4	M	659	EICU1	ICU	14	12/8/2019	august	serum	17	N	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
466	786205	V.S	32	2	M	660	EICU1	ICU	2	12/8/2019	august	serum	188	P	-	-	-	-	-	0.21	N	Sputum	budding yeast like cells with pseudohyphae
467	776765	H.S	63	5	M	661	DWARD	MEDICAL WARD	19	12/8/2019	august	serum	29	N	-	-	-	-	-	0.47	N	ascitic fluid	No fungal elements seen
468	778876	S.K	34	2	F	662	EICU1	ICU	14	13/08/2019	august	serum	18	N	-	-	-	-	-	0.45	N	Endotracheal secretions	No fungal elements seen
469	778360	SHAL	24	1	F	663	HDU-I	ICU	18	13/08/2019	august	serum	39.9	N	-	-	-	-	-	0.57	P	Sputum	No fungal elements seen
470	784973	T.J	84	7	F	664	M-ICU	ICU	12	13/08/2019	august	serum	58.2	N	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
471	781253	P.K	36	2	M	665	NEPHROLOGY	MEDICAL WARD	13	13/08/2019	august	serum	>523	P	-	-	-	-	-	0.57	P	tissue	budding yeast like cells with pseudohyphae
472	770181	K.J	41	3	M	667	G-ICU	ICU	4	14/08/2019	august	serum	218.1	P	-	-	-	-	-	0.4	N	Sputum	budding yeast like cells with pseudohyphae
473	786936	G.S	66	5	M	668	ICCU-2	ICU	3	14/08/2019	august	serum	432.13	P	-	-	-	-	-	1.2	P	Endotracheal secretions	No fungal elements seen
474	781091	H.S	38	2	M	671	EICU1	ICU	14	15/08/2019	august	serum	66.3	IND	-	-	-	-	-	0.3	N	pleural fluid	No fungal elements seen
475	786995	P.R	56	4	F	672	ONCOLOGY	ONCOLOGY	6	15/08/2019	august	serum	140.7	P	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
476	786231	H.S	19	1	M	673	S-ICU	ICU	6	15/08/2019	august	serum	218.7	P	-	-	-	-	-	0.43	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
477	786137	S.R	37	2	F	674	HDU-I	ICU	6	16/08/2019	august	serum	65.1	IND	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
478	711200	H.S	25	1	M	675	EICU1	ICU	24	16/08/2019	august	serum	65.9	IND	-	621	31/08/2019	301.09	P	0.27	N	Endotracheal secretions	No fungal elements seen
479	788197	R.K	30	1	F	677	STR-ICU	ICU	4	17/08/2019	august	serum	400.2	P	-	-	-	-	-	0.08	N	ascitic fluid	budding yeast like cells with pseudohyphae
480	779720	D.P.S	23	1	M	678	EICU1	ICU	19	17/08/2019	august	serum	18.1	N	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
481	782271	K.S	36	2	M	679	M-ICU	ICU	30	17/08/2019	august	serum	26.3	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
482	782073	P.S	68	5	M	681	DWARD	MEDICAL WARD	17	18/08/2019	august	serum	59.6	N	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
483	773645	N.S	48	3	M	682	EICU2	ICU	6	18/08/2019	august	serum	198.7	P	-	-	-	-	-	0.23	N	pleural fluid	budding yeast like cells with pseudohyphae
484	479764	UPA	34	2	F	683	EICU2	ICU	13	19/08/2019	august	serum	145.1	P	-	-	-	-	-	0.01	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
485	789289	M.L	66	5	M	684	FW151	MEDICAL WARD	13	19/08/2019	august	serum	35.6	N	-	-	-	-	-	0.18	N	ascitic fluid	No fungal elements seen
486	770578	B.K.B	55	4	F	685	ONCOLOGY	ONCOLOGY	5	19/08/2019	august	serum	233.4	P	-	-	-	-	-	0.28	N	Endotracheal secretions	No fungal elements seen
487	790143	S.P	51	4	F	687	NEPHROLOGY	MEDICAL WARD	13	20/08/2019	august	serum	77.1	IND	-	-	-	-	-	0.26	N	Sputum	No fungal elements seen
488	394047	K.S	67	5	M	688	ICCU-2	ICU	16	20/08/2019	august	serum	307.7	P	-	-	-	-	-	0.38	N	tissue	budding yeast like cells with pseudohyphae
489	788501	A.S	48	3	M	689	EICU1	ICU	6	21/08/2019	august	serum	77.7	IND	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
490	788327	S.N	48	3	M	690	PCCU	ICU	12	21/08/2019	august	serum	60	N	-	695	22/08/2019	31.7	N	0.51	P	Sputum	No fungal elements seen
491	734436	SIM	20	1	M	692	STR-ICU	ICU	62	21/08/2019	august	serum	120.8	P	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
492	791824	K.S	28	1	M	693	EICU1	ICU	20	21/08/2019	august	serum	155.6	P	-	-	-	-	-	0.27	N	Endotracheal secretions	No fungal elements seen
493	788969	N.P.S	37	2	M	694	G-ICU	ICU	12	22/08/2019	august	serum	117.3	P	Y	1188	20/12/2019	109.94	P	1.52	P	Sputum	budding yeast like cells with pseudohyphae
494	789359	S.S	53	4	F	697	FW251	MEDICAL WARD	7	22/08/2019	august	serum	34.6	N	-	-	-	-	-	0.15	N	pleural fluid	No fungal elements seen
495	176679	G.S	78	6	M	699	EICU1	ICU	3	23/08/2019	august	serum	12.59	N	-	-	-	-	-	0.09	N	Endotracheal secretions	No fungal elements seen
496	788145	K.K	65	5	F	700	KTP	MEDICAL WARD	17	23/08/2019	august	serum	35.98	N	-	-	-	-	-	0.03	N	Sputum	No fungal elements seen
497	374241	S.A	62	5	M	701	NEPHROLOGY	MEDICAL WARD	20	23/08/2019	august	serum	174.17	P	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
427	771070	Candida stellatoidea	N	candida albicans	y	8.1	40	57	1.46	60	60	1.2	1.25	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
428	409606	Candida tropicalis	N	No growth	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
429	771873	No growth	N	No growth	N	5.4	10.3	-	-	61	-	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
430	776717	No growth	N	No growth	Y	11.9	-	58	-	-	-	-	-	N	N	Y	Y	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N
431	773647	No growth	N	No growth	Y	10.3	13.2	75	0.61	4661	5202	5.09	7.53	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
432	489398	No growth	N	No growth	Y	3.8	19.5	-	-	-	-	0.6	0.5	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
433	772831	Candida parapsilosis	N	candida tropicalis	N	4.6	-	-	1.71	-	-	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
434	776625	No growth	N	No growth	N	8.1	-	-	-	-	-	0.51	1.42	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
435	772839	No growth	N	No growth	N	8.2	12.5	116	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
436	777340	No growth	N	No growth	N	8.7	19.4	97	0.68	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
437	778278	No growth	N	No growth	N	9	11.6	95	1.31	-	-	-	-	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
438	756020	No growth	N	Klebsiella pneumoniae	N	10.7	10.2	-	1.46	41	-	0.49	0.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
439	430749	No growth	N	No growth	N	11.2	12.6	62	0.59	80	-	2.73	4.1	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
440	771644	No growth	N	No growth	Y	10.2	12.4	77	0.61	-	-	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
441	775010	Candida tropicalis	N	candida tropicalis	N	8.6	29	-	-	52	52	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
442	778288	No growth	N	No growth	N	18.5	14.8	-	-	85	100	-	-	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
443	779130	No growth	N	Staphylococcus epidermidis	N	10.9	11.8	56	2.3	95	89	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
444	775086	No growth	N	No growth	N	11.9	13.6	58	1.33	50	50	0.2	0.32	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
445	782204	No growth	N	No growth	N	11.3	22	-	1.79	54	46	0.55	1.46	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
446	776635	No growth	N	No growth	N	11.6	11	-	0.66	-	-	0.33	-	N	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	Y
447	772931	No growth	N	No growth	N	11.2	25.1	53	-	51	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
448	407244	Candida parapsilosis	N	Candida parapsilosis	N	7.4	0.36	11	20	-	-	-	-	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
449	766967	No growth	N	No growth	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N
450	742379	No growth	N	Staphylococcus aureus	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
451	776579	No growth	N	No growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
452	780420	Candida tropicalis	N	Klebsiella pneumoniae	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
453	781844	No growth	N	No growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N
454	25060	Candida stellatoidea	N	Acinetobacter baumannii	Y	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
455	783874	No growth	N	Burkholderia cepacia	N	8.1	40	57	1.46	60	60	1.2	1.25	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
456	162101	Candida tropicalis	N	No growth	N	6.6	3.7	60	0.63	173	180	1.4	2	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
457	734099	No growth	N	No growth	N	11.4	10.5	72	1.53	176	192	3.5	4.86	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
458	692500	Candida stellatoidea	N	No growth	N	9.5	12.6	111	3.57	225	250	0.32	0.36	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N
459	776684	No growth	N	No growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
460	613804	Candida tropicalis	N	Candida tropicalis	Y	11.3	3.9	103	1.79	60	65	0.33	1.31	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
461	781108	No growth	N	No growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	N
462	781159	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	12.6	N	N	Y	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N
463	784273	No growth	N	No growth	Y	8.1	16.2	141	3.95	254	280	0.36	1.21	N	Y	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
464	782600	No growth	N	No growth	N	10.5	50	169	3.05	54	60	1.25	1.25	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
465	783027	No growth	N	No growth	N	11.3	16.6	152	0.66	42	15	0.6	2	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
466	786205	Candida albicans	N	candida albicans	N	11.7	16.4	51	1.25	76	123	1.26	4.86	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N	N
467	776765	No growth	N	Staphylococcus haemolyticus	N	11.5	18.4	9	0.46	203	137	0.37	0.36	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	Y	Y	N
468	778876	No growth	N	No growth	N	11.6	25.6	56	1.2	99	71	0.78	1.59	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
469	778360	No growth	N	Candida tropicalis	Y	9.7	15.3	1.28	1.14	450	170	16.25	1.31	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
470	784973	No growth	N	enterococcus faecalis	N	11.7	16.6	152	0.52	200	210	12	12.6	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
471	781253	Candida tropicalis	Y	Candida tropicalis	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
472	770181	Candida tropicalis	N	No growth	Y	8.1	40	57	1.46	60	60	1.2	1.25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
473	786936	No growth	N	No growth	N	6.6	3.7	60	0.63	173	180	1.4	2	N	Y	Y	N	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N
474	781091	No growth	N	Staphylococcus epidermidis	N	5.4	10.3	-	-	61	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N
475	786995	No growth	N	No growth	N	10.9	2.6	13.6	-	12	12	-	-	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
476	786231	Candida tropicalis	N	No growth	Y	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N
477	786137	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
478	711200	No growth	N	Klebsiella pneumoniae	N	8.1	16.2	141	3.95	254	280	0.36	1.38	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
479	788197	Candida tropicalis	N	Candida tropicalis	N	10.5	50	169	3.05	54	60	1.25	1.35	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
480	779720	No growth	N	No growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
481	782271	No growth	N	escherichia coli	Y	11.7	16.4	51	1.25	76	123	1.26	1.5	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
482	782073	No growth	N	enterococcus faecium	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
483	773645	No growth	N	No growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
484	479764	Candida stellatoidea	N	candida stellatoidea	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y
485	789289	No growth	N	No growth	N	5.2	-	-	-	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
486	770578	No growth	N	No growth	N	11.3	5.2	0.5	-	30	32	-	-	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
487	790143	No growth	N	No growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
488	394047	Candida tropicalis	N	Candida tropicalis	N	10.4	29	90	0.62	60	60	1.3	1.03	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N
489	788501	No growth	N	No growth	Y	9.7	10.6	93	1.43	396	810	1.25	1.48	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
490	788327	No growth	N	Staphylococcus epidermidis	N	10.7	15.2	72	0.67	256	270	0.75	1.34	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
491	734436	No growth	N	No growth	N	11.6	3.9	76	1.42	270	120	0.36	1.38	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
492	791824	No growth	N	No growth	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
493	788969	Candida stellatoidea	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
494	789359	No growth	N	No growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
495	176679	No growth	N	No growth	Y	10.5	50	169	3.05	54	60	1.25	1.35	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	Y	N	Y	N	N
496	788145	No growth	N	No growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	N	N	N	N
497	374241	No growth	N	enterococcus faecium	Y	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Antifungal	Outcome
427	771070	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
428	409606	aki/sepsis	Miscellaneous	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
429	771873	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	Y	N	N	N	DISCHARGED
430	776717	b/l pneumonitis/acute infarct/sepsis/septicemic shock	Miscellaneous	Y	Y	N	N	N	N	N	N	Y	N	DISCHARGED
431	773647	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	Y	N	N	Y	DAMA
432	489398	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
433	772831	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
434	776625	snakebite/shock	Miscellaneous	N	N	Y	Y	N	N	N	N	N	N	DEATH
435	772839	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
436	777340	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
437	778278	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
438	756020	drug abuse	Miscellaneous	N	N	Y	N	N	Y	N	N	N	N	DAMA
439	430749	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
440	771644	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	N	N	N	N	Y	DISCHARGED
441	775010	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
442	778288	fall from height	Miscellaneous	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
443	779130	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DEATH
444	775086	meningitis	NEUROLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
445	782204	type 2 dm/htn/rsa	Miscellaneous	Y	Y	N	N	N	N	N	N	N	Y	DEATH
446	776635	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
447	772931	cellulitis	Miscellaneous	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
448	407244	ACUTE MYEOID LEUKEMIA	ONCOLOGICAL DISEASE	N	N	N	N	N	N	N	N	Y	N	DEATH
449	766967	Chronic renal failure	RENAL DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
450	742379	dm/cryptococcal antigen positive/headache	Miscellaneous	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
451	776579	Chronic renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
452	780420	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
453	781844	meningitis	NEUROLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
454	25060	Chronic renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
455	783874	road side accident/blunt trauma abdomen	Miscellaneous	N	Y	Y	N	N	N	N	N	N	N	DAMA
456	162101	Acute renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	N	Y	N	DAMA
457	734099	Chronic renal failure	RENAL DISEASE	Y	Y	N	N	N	N	N	Y	N	N	DISCHARGED
458	692500	ASTROCYTOMA	ONCOLOGICAL DISEASE	N	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
459	776684	Surgical Procedures	CARDIOVASCULAR DISEASE	Y	Y	Y	Y	N	N	N	N	N	N	DISCHARGED
460	613804	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
461	781108	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
462	781159	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
463	784273	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DAMA
464	782600	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
465	783027	Acute febrile illness	TROPICAL FEVER	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
466	786205	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
467	776765	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	N	N	N	N	N	N	N	N	DAMA
468	778876	Acute febrile illness	TROPICAL FEVER	N	Y	Y	N	N	N	N	N	Y	N	DISCHARGED
469	778360	head injury/blunt trauma	Miscellaneous	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
470	784973	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
471	781253	Acute renal failure	RENAL DISEASE	N	N	N	Y	Y	N	N	N	N	N	DISCHARGED
472	770181	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
473	786936	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	N	Y	N	N	N	N	Y	DEATH
474	781091	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
475	786995	HODGKIN LYMPHOMA	ONCOLOGICAL DISEASE	Y	N	N	Y	N	N	N	Y	N	N	DISCHARGED
476	786231	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	Y	N	N	N	Y	DAMA
477	786137	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
478	711200	Chronic renal failure	RENAL DISEASE	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
479	788197	opiod poisoning	Miscellaneous	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
480	779720	Chronic renal failure	RENAL DISEASE	N	N	N	N	Y	N	Y	N	N	N	DISCHARGED
481	782271	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DAMA
482	782073	Chronic renal failure	RENAL DISEASE	N	Y	Y	N	N	Y	N	Y	Y	N	DEATH
483	773645	Chronic renal failure	RENAL DISEASE	Y	N	Y	N	Y	N	N	N	N	Y	DAMA
484	479764	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	Y	N	N	N	N	Y	DISCHARGED
485	789289	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DAMA
486	770578	SARCOMA	ONCOLOGICAL DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
487	790143	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
488	394047	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
489	788501	Acute febrile illness	TROPICAL FEVER	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
490	788327	Acute renal failure	RENAL DISEASE	N	N	N	Y	N	N	Y	N	N	N	DISCHARGED
491	734436	HYPERTENSION	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
492	791824	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	Y	DISCHARGED
493	788969	Acute renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	Y	N	DISCHARGED
494	789359	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
495	176679	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	N	N	Y	N	DISCHARGED
496	788145	Surgical Procedures	CARDIOVASCULAR DISEASE	N	N	Y	N	Y	Y	N	N	N	N	DISCHARGED
497	374241	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	Y	N	N	N	N	N	Y	DAMA

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
498	778349	H.S	31	2	M	702	HDU-I	ICU	6	23/08/2019	august	serum	<7.8	N	-	-	-	-	-	0.01	N	pleural fluid	No fungal elements seen
499	793547	M.S	25	1	M	703	EICU1	ICU	8	23/08/2019	august	serum	<7.8	N	-	-	-	-	-	0.2	N	Endotracheal secretions	No fungal elements seen
500	783252	K.P	47	3	M	704	HDU-I	ICU	16	24/08/2019	august	serum	<7.8	N	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
501	782276	G.L	56	4	M	705	S-ICU	ICU	28	24/08/2019	august	serum	184.72	P	-	-	-	-	-	0.23	N	Endotracheal secretions	No fungal elements seen
502	667954	B.S.B	85	7	M	706	ICCU-1	ICU	52	25/08/2019	august	serum	<7.8	N	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
503	789054	B.S	61	5	M	707	NEPHROLOGY	MEDICAL WARD	17	25/08/2019	august	serum	<7.8	N	-	-	-	-	-	0.08	N	Endotracheal secretions	No fungal elements seen
504	700817	H.L	64	5	M	708	NEPHROLOGY	MEDICAL WARD	12	25/08/2019	august	serum	92.35	P	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
505	790594	N.S	41	3	M	709	STR-ICU	ICU	14	25/08/2019	august	serum	63.74	IND	-	-	-	-	-	0.22	N	Sputum	No fungal elements seen
506	793957	A.K	63	5	M	710	NEUROLOGY	MEDICAL WARD	2	25/08/2019	august	serum	31.49	N	-	-	-	-	-	0.65	P	Endotracheal secretions	No fungal elements seen
507	788364	AR.K	58	4	M	711	M-ICU	ICU	20	25/8/2019	august	serum	34.3	N	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
508	793494	S.K	71	6	F	712	EICU1	ICU	7	26/8/2019	august	serum	75.3	IND	-	-	-	-	-	0.36	N	Sputum	No fungal elements seen
509	793212	G.S	38	2	M	713	EICU1	ICU	8	26/8/2019	august	serum	44.42	N	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
510	794935	T.D	64	5	M	714	EICU1	ICU	4	26/8/2019	august	serum	68.5	IND	-	-	-	-	-	0.76	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
511	791107	M.K	73	6	M	715	ICCU-1	ICU	13	26/08/2019	august	serum	191.11	P	-	-	-	-	-	0.33	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
512	791637	G.K	63	5	F	716	DWARD	MEDICAL WARD	7	26/08/2019	august	serum	169.4	P	-	-	-	-	-	0.33	N	Endotracheal secretions	No fungal elements seen
513	789818	V.K	41	3	M	717	FWARD	MEDICAL WARD	10	26/08/2019	august	serum	41.46	N	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
514	796074	P.K	59	4	M	718	M-ICU	ICU	16	28/08/2019	august	serum	86.47	P	-	-	-	-	-	0.68	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
515	796607	S.B	74	6	M	719	NEPHROLOGY	MEDICAL WARD	14	28/08/2019	august	serum	71.65	IND	-	-	-	-	-	0.2	N	Sputum	No fungal elements seen
516	764260	D.R	65	5	F	720	GASTRO-II	MEDICAL WARD	30	28/08/2019	august	serum	255.74	P	-	-	-	-	-	0.44	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
517	657597	A.A	47	3	F	721	BICU	ICU	21	28/08/2019	august	serum	185.92	P	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
518	787459	S.D	71	6	F	722	NEPHROLOGY	MEDICAL WARD	24	28/08/2019	august	serum	51.24	N	-	-	-	-	-	0.13	N	Endotracheal secretions	No fungal elements seen
519	722197	R.S	59	4	F	724	KTP	MEDICAL WARD	21	29/08/2019	august	serum	32.62	N	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
520	792614	R.S	51	4	M	725	CHEST	MEDICAL WARD	10	28/08/2019	august	serum	40.59	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
521	794266	ASHW	66	5	M	729	DWARD	MEDICAL WARD	13	30/08/2019	august	serum	173.1	P	-	-	-	-	-	1.21	P	Sputum	No fungal elements seen
522	796458	R.V	66	5	F	730	EICU1	ICU	5	30/08/2019	august	serum	336.35	P	-	-	-	-	-	0.27	N	Sputum	budding yeast like cells with pseudohyphae
523	532726	A.S	31	2	M	734	GASTRO-II	MEDICAL WARD	11	30/08/2019	august	serum	30.24	N	-	-	-	-	-	0.03	N	ascitic fluid	No fungal elements seen
524	794326	S.D	61	5	F	735	EICU1	ICU	11	30/08/2019	august	serum	523	P	-	-	-	-	-	0.13	N	Sputum	budding yeast like cells with pseudohyphae
525	799465	M.L	79	6	M	736	ICCU-2	ICU	4	30/08/2019	august	serum	243.43	P	-	-	-	-	-	1.43	P	Endotracheal secretions	No fungal elements seen
526	614255	R.K	73	6	F	738	ONCOLOGY	ONCOLOGY	19	31/08/2019	august	serum	126.36	P	-	-	-	-	-	0.06	N	ascitic fluid	No fungal elements seen
527	796952	B.S	36	2	M	740	EICU1	ICU	5	31/08/2019	august	serum	39.45	N	-	-	-	-	-	0.47	N	pleural fluid	budding yeast like cells with pseudohyphae
528	422332	S.S	60	4	M	741	ONCOLOGY	ONCOLOGY	30	31/08/2019	august	serum	9.4	N	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
529	797706	T.J	75	6	F	742	MU-3	ICU	6	31/08/2019	august	serum	22.99	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
530	503226	R.K	71	6	F	744	ONCOMEDICINE	ONCOLOGY	9	1/9/2019	september	serum	147.87	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
531	794243	R.B	51	4	M	745	DWARD	MEDICAL WARD	34	1/9/2019	september	serum	523	P	-	-	-	-	-	1.12	P	Sputum	No fungal elements seen
532	795013	S.D	74	6	F	746	EICU1	ICU	11	1/9/2019	september	serum	313.17	P	-	-	-	-	-	0.05	N	Sputum	budding yeast like cells with pseudohyphae
533	800391	N.S	39	2	M	747	GASTRO-II	MEDICAL WARD	12	2/9/2019	september	serum	143.35	P	-	798	12/9/2019	35.49	-	1.67	P	Sputum	hyaline septate fungal hyphae
534	800221	C.L	66	5	M	749	MU-III	MEDICAL WARD	8	2/9/2019	september	serum	50.81	N	-	-	-	-	-	0.53	P	pleural fluid	No fungal elements seen
535	800079	G.S	39	2	M	750	M-ICU	ICU	8	3/9/2019	september	serum	96.02	P	-	-	-	-	-	0.59	P	Sputum	budding yeast like cells with pseudohyphae
536	800380	I.S	19	1	M	751	EICU1	ICU	13	3/9/2019	september	serum	80.52	P	-	-	-	-	-	0.68	P	Sputum	No fungal elements seen
537	800318	G.S	37	2	M	752	LIVERCARE	MEDICAL WARD	5	3/9/2019	september	serum	66.99	IND	-	-	-	-	-	0.69	P	Sputum	No fungal elements seen
538	800345	B.S	67	5	M	753	ICCU-II	ICU	10	3/9/2019	september	serum	>523	P	-	-	-	-	-	0.72	P	Sputum	budding yeast like cells with pseudohyphae
539	800464	M.K	21	1	F	754	EICU1	ICU	3	4/9/2019	september	serum	34.4	N	-	-	-	-	-	1.18	P	ascitic fluid	No fungal elements seen
540	800374	AKA	25	1	M	755	EICU1	ICU	11	4/9/2019	september	serum	7.8	N	-	-	-	-	-	0.45	N	Sputum	No fungal elements seen
541	796031	B.S	53	4	M	756	EICU1	ICU	26	4/9/2019	september	serum	58.25	N	-	-	-	-	-	0.27	N	Endotracheal secretions	No fungal elements seen
542	796920	P.J	83	7	F	757	DWARD	MEDICAL WARD	11	4/9/2019	september	serum	17.65	N	-	-	-	-	-	0.22	N	Sputum	No fungal elements seen
543	788400	K.S	61	5	M	758	PCCU	ICU	42	4/9/2019	september	serum	523	P	-	-	-	-	-	0.27	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
544	31929	S.S	58	4	M	759	M-ICU	ICU	14	5/9/2019	september	serum	476.71	P	-	-	-	-	-	0.25	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
545	801216	A.S	57	4	M	760	GASTRO-II	MEDICAL WARD	12	6/9/2019	september	serum	108.68	P	-	-	-	-	-	0.52	P	Sputum	No fungal elements seen
546	803771	ANI	61	5	F	761	ICCU-II	ICU	3	6/9/2019	september	serum	134.81	P	-	-	-	-	-	0.35	N	Sputum	budding yeast like cells with pseudohyphae
547	791845	V.K	36	2	F	762	HDU-I	ICU	29	6/9/2019	september	serum	229.27	P	-	-	-	-	-	0.43	N	Sputum	budding yeast like cells with pseudohyphae
548	805343	PRI	27	1	F	764	NEPHROLOGY	MEDICAL WARD	13	8/9/2019	september	serum	7.8	N	-	-	-	-	-	0.32	N	Sputum	No fungal elements seen
549	800485	A.K	22	1	M	765	PCCU	ICU	7	8/9/2019	september	serum	95.33	P	-	-	-	-	-	0.23	N	Endotracheal secretions	No fungal elements seen
550	799543	B.K	51	4	M	766	HDU-I	ICU	24	8/9/2019	september	serum	22.51	N	-	-	-	-	-	0.29	N	Sputum	No fungal elements seen
551	799538	S.D	62	5	F	767	HDU-I	ICU	16	8/9/2019	september	serum	70.67	IND	-	-	-	-	-	0.25	N	Endotracheal secretions	No fungal elements seen
552	805345	S.K	78	6	F	768	PCCU	ICU	8	8/9/2019	september	serum	140.96	P	-	-	-	-	-	0.29	N	Sputum	budding yeast like cells with pseudohyphae
553	356518	M.L	78	6	M	770	PCCU	ICU	17	9/9/2019	september	serum	523	P	-	-	-	-	-	0.34	N	Endotracheal secretions	hyaline septate fungal hyphae
554	800257	P.S	59	4	M	773	EICU1	ICU	13	9/9/2019	september	serum	287.34	P	-	-	-	-	-	0.14	N	Sputum	budding yeast like cells with pseudohyphae
555	803169	M.K	25	1	M	774	HDU-I	ICU	11	9/9/2019	september	serum	23.41	N	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
556	767871	T.K	76	6	F	775	NEPHROLOGY	MEDICAL WARD	9	10/9/2019	september	serum	326.48	P	-	-	-	-	-	1.49	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
557	805282	L.K	60	4	F	776	NEPHROLOGY	MEDICAL WARD	21	10/9/2019	september	serum	140.6	P	-	-	-	-	-	0.07	N	Sputum	budding yeast like cells with pseudohyphae
558	790065	G.S	29	1	M	777	S-ICU	ICU	30	10/9/2019	september	serum	100.59	P	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
559	800512	R.D	59	4	M	778	PCCU	ICU	11	10/9/2019	september	serum	40.21	N	-	-	-	-	-	0.04	N	Endotracheal secretions	No fungal elements seen
560	800520	M.B	55	4	F	780	MICU	ICU	15	11/9/2019	september	serum	28.86	N	-	-	-	-	-	0.08	N	Endotracheal secretions	No fungal elements seen
561	798623	S.L	64	5	M	782	PCCU	ICU	9	11/9/2019	september	serum	15.26	N	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
562	805389	H.K	56	4	F	783	ICCU-4	ICU	25	11/9/2019	september	serum	253.22	P	Y	1/10/2019	-	138.9	P	0.02	N	Sputum	budding yeast like cells with pseudohyphae
563	799495	S.R	63	5	F	784	HDU-I	ICU	18	12/9/2019	september	serum	190.98	P	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
564	204096	T.R	73	6	M	786	PCCU	ICU	7	12/9/2019	september	serum	46.84	N	-	-	-	-	-	0.24	N	Endotracheal secretions	No fungal elements seen
565	35775	N.C	66	5	M	787	PCCU	ICU	8	12/9/2019	september	serum	151.3	P	-	-	-	-	-	0.13	N	Sputum	budding yeast like cells with pseudohyphae
566	207244	T.R.N	73	6	M	788	ICCU-2	ICU	12	12/9/2019	september	serum	523	P	-	-	-	-	-	0.14	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
567	808837	V.S	30	1	M	789	FWARD	MEDICAL WARD	24	12/9/2019	september	serum	21.36	N	-	-	-	-	-	0.36	N	Endotracheal secretions	No fungal elements seen
568	803730	S.S	64	5	M	790	BICU	ICU	26	13/09/2019	september	serum	8.71	N	-	-	-	-	-	0.02	N	Endotracheal secretions	No fungal elements seen

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
498	778349	No growth	N	No growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
499	793547	No growth	N	No growth	Y	11.6	25.6	56	1.2	99	71	0.78	1.03	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	Y
500	783252	No growth	N	Staphylococcus haemolyticus	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
501	782276	No growth	N	Klebsiella pneumoniae	N	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
502	667954	No growth	N	No growth	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
503	789054	No growth	N	No growth	Y	8.1	40	57	1.46	60	60	1.2	1.25	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
504	700817	No growth	N	No growth	N	6.6	3.7	60	0.63	173	180	1.4	2	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
505	790594	No growth	N	No growth	N	11.4	10.5	72	1.53	176	192	3.5	4.86	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
506	793957	No growth	N	No growth	N	9.5	12.6	111	3.57	225	250	0.32	0.36	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
507	788364	No growth	N	No growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	Y	N	Y	N	N	N	N	N	N	Y	N	N	N	Y	N	N
508	793494	No growth	N	No growth	N	11.3	3.9	103	1.79	60	65	0.33	1.31	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
509	793212	No growth	N	No growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
510	794935	Candida tropicalis	N	-	N	11.9	12.7	106	1.22	51	50	0.73	1.25	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
511	791107	No growth	N	No growth	N	11.9	23.7	120	0.44	203	137	1.25	1.35	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
512	791637	No growth	N	No growth	N	9.6	11.5	114	0.69	75	66	16.25	21.09	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
513	789818	No growth	N	No growth	N	9.5	20.6	90	2.72	242	108	0.63	1.23	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
514	796074	Candida tropicalis	N	Candida tropicalis	N	-	10.8	60	1.69	163	42	9.77	11.1	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
515	796607	No growth	N	No growth	N	11.4	26.1	85	1.23	45	42	0.37	0.4	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
516	764260	Candida tropicalis	N	No growth	Y	11.1	20.9	9	0.5	51	55	0.78	1.03	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
517	657597	No growth	N	No growth	N	18.5	10.6	-	-	1139	678	0.32	0.25	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
518	787459	No growth	N	No growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
519	722197	No growth	N	No growth	N	10.4	29	90	0.62	60	50	0.9	0.89	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N
520	792614	No growth	N	No growth	N	9.7	10.6	93	1.43	396	799	0.75	0.5	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
521	794266	No growth	N	No growth	N	10.7	15.2	72	0.67	254	268	0.75	0.6	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
522	796458	Candida tropicalis	N	escherichia coli	Y	12.4	52	170	3.5	170	275	75	1.34	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
523	532726	No growth	N	No growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
524	794326	No growth	Y	No growth	N	10.5	11.2	8	-	35	36	0.2	0.21	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N
525	799465	No growth	N	No growth	Y	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
526	614255	No growth	N	Candida tropicalis	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N
527	796952	Candida stellatoidea	N	No growth	N	10.8	-	-	-	61	75	-	-	Y	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	Y
528	422332	No growth	N	Staphylococcus epidermidis	N	12.2	11	-	-	-	-	-	-	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
529	797706	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N
530	503226	No growth	N	Staphylococcus haemolyticus	N	8.6	2.6	4.2	-	-	-	-	-	N	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N
531	794243	No growth	Y	Klebsiella pneumoniae	Y	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
532	795013	Candida tropicalis	Y	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
533	800391	Aspergillus flavus	N	Candida parapsilosis	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
534	800221	No growth	N	Staphylococcus epidermidis	N	10.5	50	169	3.05	54	60	1.25	1.35	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
535	800079	No growth	N	no growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
536	800380	No growth	N	no growth	Y	11.7	16.4	51	1.25	76	123	1.26	1.5	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
537	800318	No growth	N	no growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N
538	800345	Candida albicans	N	no growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	Y	Y	N	N	Y	N	N	N	Y	N	Y	N	N	N	N	N	N
539	800464	No growth	N	-	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N
540	800374	No growth	N	Staphylococcus epidermidis	N	11.7	16.6	152	0.52	200	210	12	12.6	N	N	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
541	796031	No growth	N	no growth	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
542	796920	No growth	N	no growth	N	8.1	40	57	1.46	60	60	1.2	1.25	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
543	788400	Candida albicans	Y	enterococcus faecalis	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
544	31929	Candida tropicalis	N	no growth	N	11.4	10.5	72	1.53	176	192	3.5	4.86	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
545	801216	No growth	N	Staphylococcus epidermidis	N	9.5	12.6	111	3.57	225	250	0.32	0.36	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N
546	803771	Candida tropicalis	N	no growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
547	791845	No growth	N	no growth	N	11.3	3.9	103	1.79	60	65	0.33	1.31	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
548	805343	No growth	Y	no growth	N	11.2	30	20	0.2	50	50	0.2	0.32	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
549	800485	Candida tropicalis	N	escherichia coli	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
550	799543	No growth	N	pseudomonas aeruginosa	N	11.3	0.3	103	1.79	-	-	0.33	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
551	799538	No growth	N	no growth	N	10.6	11.5	-	0.66	51	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
552	805345	No growth	N	no growth	N	5.2	-	-	-	-	-	-	-	N	N	Y	N	N	Y	N	N	N	Y	Y	N	N	N	N	N	N	N
553	356518	Aspergillus flavus	N	no growth	N	11.9	23.7	-	0.44	-	-	-	-	N	Y	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N
554	800257	No growth	N	no growth	Y	9.6	11.5	114	0.69	75	66	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N
555	803169	No growth	N	no growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
556	767871	Candida tropicalis	Y	no growth	N	10.5	11.2	8	-	35	36	0.2	0.21	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
557	805282	No growth	Y	escherichia coli	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
558	790065	No growth	N	pseudomonas aeruginosa	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
559	800512	No growth	N	sphingomonas paucimobilis	N	10.8	-	-	-	61	75	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
560	800520	No growth	N	stenotrophomonas maltophila	N	12.2	11	-	-	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
561	798623	No growth	N	No growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
562	805389	Candida parapsilosis	N	No growth	N	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
563	799495	No growth	N	no growth	Y	11.4	13.7	63	1.71	-	-	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
564	204096	No growth	N	No growth	N	11.5	2.6	52	-	343	68	0.99	-	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
565	35775	Candida tropicalis	N	No growth	N	12.3	-	25	-	50	53	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
566	207244	Candida tropicalis	N	no growth	N	11.4	1.4	8	0.68	115	-	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
567	808837	No growth	N	pseudomonas aeruginosa	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
568	803730	No growth	N	No growth	Y	7.6	5.3	112	1.46	51	51	0.54	0.6	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Antifungal	Outcome
498	778349	Acute febrile illness	TROPICAL FEVER	Y	N	Y	N	N	N	N	N	N	N	DAMA
499	793547	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DEATH
500	783252	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	Y	Y	N	N	N	N	Y	DAMA
501	782276	opiod overdose	Miscellaneous	Y	Y	Y	N	N	Y	N	N	N	N	DISCHARGED
502	667954	systemic lupus erythematosus with organ involvement	Miscellaneous	N	Y	Y	Y	N	N	N	N	N	N	DISCHARGED
503	789054	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
504	700817	Acute renal failure	RENAL DISEASE	N	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
505	790594	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
506	793957	tuberculosis	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	N	N	Y	N	N	N	DISCHARGED
507	788364	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
508	793494	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	Y	DAMA
509	793212	aki/sepsis	Miscellaneous	N	N	N	N	N	N	N	N	Y	N	DISCHARGED
510	794935	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
511	791107	b/l pneumonitis/acute infarct/sepsis/septicemic shock	Miscellaneous	Y	N	N	N	N	N	N	N	Y	N	DISCHARGED
512	791637	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	Y	Y	N	N	N	N	DISCHARGED
513	789818	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	Y	N	N	N	DISCHARGED
514	796074	Acute renal failure	RENAL DISEASE	N	N	N	Y	N	N	N	Y	N	Y	DISCHARGED
515	796607	snakebite/shock	Miscellaneous	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
516	764260	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	Y	N	N	N	Y	DAMA
517	657597	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	Y	N	N	N	DISCHARGED
518	787459	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	Y	DAMA
519	722197	drug abuse	Miscellaneous	N	N	N	N	N	N	N	N	N	N	DISCHARGED
520	792614	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
521	794266	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	Y	N	N	Y	DISCHARGED
522	796458	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	Y	DISCHARGED
523	532726	fall from height	Miscellaneous	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
524	794326	Surgical Procedures	NEUROLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	N	DAMA
525	799465	meningitis	NEUROLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
526	614255	type 2 dm/htn/rsa	Miscellaneous	Y	N	N	N	N	N	Y	N	N	N	DISCHARGED
527	796952	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
528	422332	cellulitis	Miscellaneous	N	N	N	N	N	N	N	N	N	N	DISCHARGED
529	797706	Complicated falciparum malaria	TROPICAL FEVER	Y	Y	Y	N	N	N	N	N	N	N	DAMA
530	503226	ACUTE LYMPHOID LEUKEMIA	ONCOLOGICAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
531	794243	Chronic renal failure	RENAL DISEASE	Y	Y	N	N	Y	N	N	N	N	Y	DISCHARGED
532	795013	Acute febrile illness	TROPICAL FEVER	N	N	N	Y	Y	N	N	N	N	Y	DISCHARGED
533	800391	Acute gastroenteritis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
534	800221	Acute febrile illness	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
535	800079	Acute febrile illness	TROPICAL FEVER	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
536	800380	meningitis	NEUROLOGICAL DISEASE	N	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
537	800318	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DEATH
538	800345	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	N	N	Y	N	N	N	DISCHARGED
539	800464	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
540	800374	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	Y	N	N	N	Y	DISCHARGED
541	796031	Acute febrile illness	TROPICAL FEVER	N	Y	Y	N	N	N	N	N	Y	N	DISCHARGED
542	796920	afi/shock/sepsis	Miscellaneous	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
543	788400	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	N	N	N	N	Y	N	DISCHARGED
544	31929	Chronic renal failure	RENAL DISEASE	N	N	N	N	Y	Y	N	N	N	N	DEATH
545	801216	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DISCHARGED
546	803771	dm/pneumonitis/shock/sepsis/acidosis	Miscellaneous	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
547	791845	post partum haemorrhage/renal failure	Miscellaneous	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
548	805343	Acute renal failure	RENAL DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
549	800485	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DAMA
550	799543	Acute febrile illness	TROPICAL FEVER	Y	Y	Y	Y	N	N	N	N	N	N	DISCHARGED
551	799538	Chronic renal failure	RENAL DISEASE	N	N	Y	N	N	Y	N	N	Y	N	DISCHARGED
552	805345	b/l pneumonitis/acute infarct/sepsis/septicemic shock	Miscellaneous	N	Y	N	N	N	N	N	Y	N	Y	DAMA
553	356518	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
554	800257	interstitial lung disease	RESPIRATORY TRACT DISEASE	Y	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
555	803169	Acute renal failure	RENAL DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
556	767871	snakebite/shock	Miscellaneous	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
557	805282	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
558	790065	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
559	800512	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
560	800520	drug abuse	Miscellaneous	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
561	798623	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DAMA
562	805389	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
563	799495	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	Y	N	N	Y	N	N	N	DISCHARGED
564	204096	fall from height	Miscellaneous	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
565	35775	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	N	N	Y	N	N	N	Y	DISCHARGED
566	207244	meningitis	NEUROLOGICAL DISEASE	N	Y	N	N	N	N	N	N	Y	N	DISCHARGED
567	808837	type 2 dm/htn/rsa	Miscellaneous	Y	Y	Y	N	N	N	N	N	N	N	DEATH
568	803730	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	Y	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
569	217861	R.J	43	3	M	791	EICU1	ICU	10	13/09/2019	september	serum	212.51	P	-	-	-	-	-	0.13	N	Sputum	budding yeast like cells with pseudohyphae
570	785998	A.K	54	4	M	792	S-ICU	ICU	22	13/09/2019	september	serum	15.66	N	-	-	-	-	-	0.07	N	Endotracheal secretions	No fungal elements seen
571	806411	J.S	61	5	M	793	S-ICU	ICU	17	13/09/2019	september	serum	125.21	P	-	-	-	-	-	0.12	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
572	806097	H.P.K	56	4	F	794	PCCU	ICU	7	13/09/2019	september	serum	495.31	P	-	-	-	-	-	5.24	P	Endotracheal secretions	budding yeast like cells with pseudohyphae / Hyaline septate fungal hyhae
573	747313	J.S	81	7	M	796	NSICU	ICU	3	14/09/2019	september	serum	13.51	N	-	-	-	-	-	0.24	N	Sputum	No fungal elements seen
574	801356	B.S	35	2	M	797	M-ICU	ICU	16	14/09/2019	september	serum	309.43	P	-	-	-	-	-	0.25	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
575	808074	I.A	58	4	M	799	NEPHROLOGY	MEDICAL WARD	7	14/09/2019	september	serum	107.6	P	-	-	-	-	-	0.5	P	Endotracheal secretions	No fungal elements seen
576	805213	V.J	52	4	M	801	ICCU-2	ICU	27	14/09/2019	september	serum	41.17	N	-	-	-	-	-	0.03	N	Sputum	No fungal elements seen
577	794915	S.M	79	6	F	803	PCCU	ICU	6	15/09/2019	september	serum	493.8	P	-	-	-	-	-	1.78	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
578	807721	P.D	66	5	F	804	MU-III	MEDICAL WARD	10	15/09/2019	september	serum	50.71	N	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
579	810425	S.D	46	3	F	806	PCCU	ICU	12	16/09/2019	september	serum	35.98	N	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
580	803736	S.K	56	4	F	807	M-ICU	ICU	11	16/09/2019	september	serum	>523	P	-	-	-	-	-	0.32	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
581	177978	SUM	54	4	F	808	ICCU-2	ICU	11	16/09/2019	september	serum	140.58	P	-	-	-	-	-	0.23	N	Sputum	budding yeast like cells with pseudohyphae
582	809592	G.S	46	3	M	809	HDU-I	ICU	17	17/09/2019	september	serum	94.62	P	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
583	811528	A.S	59	4	M	810	ICCU-1	ICU	15	17/09/2019	september	serum	31.89	N	-	-	-	-	-	0.22	N	Endotracheal secretions	No fungal elements seen
584	807274	GD.S	75	6	M	812	MU-III	MEDICAL WARD	19	17/09/2019	september	serum	164.31	P	-	-	-	-	-	0.05	N	Sputum	budding yeast like cells with pseudohyphae
585	807377	K.K	46	3	F	813	KTP	MEDICAL WARD	16	18/9/2019	september	serum	57.47	N	-	-	-	-	-	0.17	N	Sputum	budding yeast like cells with pseudohyphae
586	760063	S.K	66	5	F	814	STR-ICU	ICU	13	16/09/2019	september	serum	88.23	P	-	-	-	-	-	0.18	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
587	807844	KAM	56	4	F	815	HDU-I	ICU	13	18/9/2019	september	serum	231	P	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
588	812003	GUD	58	4	F	816	HDU-II	ICU	11	19/9/2019	september	serum	79.63	IND	-	-	-	-	-	0.4	N	Sputum	No fungal elements seen
589	808817	L.S	24	1	M	818	M-ICU	ICU	11	20/09/2019	september	serum	98.94	P	-	-	-	-	-	0.19	N	Endotracheal secretions	No fungal elements seen
590	811572	K.R	67	5	F	819	ICCU-1	ICU	27	20/09/2019	september	serum	185.19	P	-	-	-	-	-	0	N	Sputum	No fungal elements seen
591	812988	R.S	34	2	F	820	FW-151	MEDICAL WARD	9	20/09/2019	september	serum	41.85	N	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
592	805290	GRACY	71	6	F	822	DWARD	MEDICAL WARD	27	21/09/2019	september	serum	21.25	N	-	-	-	-	-	0.2	N	Endotracheal secretions	No fungal elements seen
593	408672	SHAK	70	5	F	824	NEPHROLOGY	MEDICAL WARD	9	21/09/2019	september	serum	375.01	P	-	-	-	-	-	0.45	N	Sputum	No fungal elements seen
594	806350	M.S	56	4	F	826	MU-I	MEDICAL WARD	46	21/09/2019	september	serum	82.31	P	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
595	814748	R.G	65	5	M	828	GASTRO-II	MEDICAL WARD	2	21/09/2019	september	serum	108.45	P	-	-	-	-	-	1.56	P	Sputum	budding yeast like cells with pseudohyphae
596	813170	R.S	66	5	M	831	PCCU	ICU	4	22/09/2019	september	serum	478.64	IND	-	-	-	-	-	0.46	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
597	805542	S.D	63	5	F	832	EICU1	ICU	24	22/09/2019	september	serum	148.75	P	-	-	-	-	-	0.06	N	tissue	budding yeast like cells with pseudohyphae
598	812236	S.K	26	1	F	834	NSICU	ICU	13	22/9/2019	september	serum	30.29	N	-	-	-	-	-	0.25	N	Sputum	budding yeast like cells with pseudohyphae
599	814549	SU.K	68	5	M	835	FW251	MEDICAL WARD	6	22/09/2019	september	serum	31.06	N	-	-	-	-	-	0.08	N	ascitic fluid	No fungal elements seen
600	755256	M.S	71	6	M	836	MU-3	MEDICAL WARD	6	22/09/2019	september	serum	78.58	IND	-	-	-	-	-	0.05	N	Endotracheal secretions	No fungal elements seen
601	812256	M.L	68	5	M	837	EICU1	ICU	18	23/09/2019	september	serum	373.32	P	-	-	-	-	-	0.24	N	Sputum	No fungal elements seen
602	807946	S.K	61	5	M	839	FW266	MEDICAL WARD	28	24/09/2019	september	serum	32.32	N	-	-	-	-	-	0.56	P	Sputum	hyaline septate fungal hyphae
603	811581	B.K	66	5	F	840	M-ICU	ICU	10	24/09/2019	september	serum	463.24	P	-	-	-	-	-	0.1	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
604	807252	DHAR	61	5	M	841	M-ICU	ICU	17	24/09/2019	september	serum	281.85	P	-	-	-	-	-	0.49	N	Sputum	hyaline septate fungal hyphae
605	787900	M.S	50	3	M	842	PCCU	ICU	8	24/09/2019	september	serum	55.37	N	-	-	-	-	-	0.92	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
606	665926	R.S	58	4	M	844	NEPHROLOGY	MEDICAL WARD	7	24/09/2019	september	serum	136.76	P	-	-	-	-	-	0.46	N	Endotracheal secretions	No fungal elements seen
607	813346	N.K.K	89	7	M	845	FW-162	MEDICAL WARD	15	24/09/2019	september	serum	25.74	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
608	816537	K.R	61	5	F	846	ICCU-1	ICU	6	24/09/2019	september	serum	523	P	-	-	-	-	-	0.66	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
609	811616	D.S	38	2	M	849	EICU1	ICU	6	25/09/2019	september	serum	46.12	N	-	-	-	-	-	0.34	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
610	811595	NEER	27	1	M	850	HDU-1	ICU	14	25/9/2019	september	serum	116.68	P	-	-	-	-	-	0.74	P	Sputum	budding yeast like cells with pseudohyphae
611	810656	J.K	34	2	F	851	M-ICU	ICU	25	26/09/2019	september	serum	23.47	N	-	-	-	-	-	0	N	pleural fluid	No fungal elements seen
612	815363	S.S	54	4	M	852	HDU-1	ICU	12	26/09/2019	september	serum	27.3	N	-	-	-	-	-	0.76	P	Sputum	No fungal elements seen
613	816202	M.R	81	7	M	853	FW-121	MEDICAL WARD	7	26/09/2019	september	serum	21.37	N	-	-	-	-	-	0.19	N	Sputum	budding yeast like cells with pseudohyphae
614	818182	J.S	47	3	M	855	EICU1	ICU	9	26/09/2019	september	serum	92.68	P	-	11/11/2019	75.48	IND	-	1.35	P	Sputum	No fungal elements seen
615	815497	G.K	33	2	F	856	ENDO	MEDICAL WARD	6	26/09/2019	september	serum	523	P	-	-	-	-	-	0.12	N	Sputum	budding yeast like cells with pseudohyphae
616	815575	B.S	50	3	M	857	HDU-II	ICU	7	26/09/2019	september	serum	73.7	IND	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
617	815548	M.D	50	3	F	860	EICU1	ICU	20	27/09/2019	september	serum	50.78	N	-	-	-	-	-	0.77	P	ascitic fluid	budding yeast like cells
618	814589	H.L	81	7	M	861	EICU1	ICU	11	27/09/2019	september	serum	87.98	P	-	-	-	-	-	0.25	P	Sputum	budding yeast like cells with pseudohyphae
619	676387	D.K	72	6	F	862	HDU-I	ICU	25	27/09/2019	september	serum	339	P	-	-	-	-	-	0.45	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
620	145532	J.N.S	70	5	M	863	ICCU-4	ICU	25	27/09/2019	september	serum	49.79	N	-	-	-	-	-	1.31	P	Sputum	No fungal elements seen
621	818827	A.S	61	5	M	864	ICCU-1	ICU	5	27/09/2019	september	serum	218.72	P	-	-	-	-	-	0.09	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
622	818862	M.K	47	3	F	865	DWARD	MEDICAL WARD	31	27/09/2019	september	serum	33.66	N	-	-	-	-	-	0.03	N	Sputum	No fungal elements seen
623	803042	N.S	59	4	M	866	HDU-1	ICU	35	27/09/2019	september	serum	66.13	IND	-	-	-	-	-	0.01	N	drain fluid	No fungal elements seen
624	32955	S.J.K	72	6	F	867	BMT	MEDICAL WARD	31	28/09/2019	september	serum	98.52	P	-	-	-	-	-	0.09	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
625	818670	A.K	41	3	M	868	PCCU	ICU	15	28/09/2019	september	serum	102.55	P	-	-	-	-	-	0.14	N	Sputum	budding yeast like cells with pseudohyphae
626	815566	R.K.B	55	4	M	869	ICCU-1	ICU	14	29/09/2019	september	serum	24.49	N	-	-	-	-	-	0.34	N	Sputum	budding yeast like cells with pseudohyphae
627	810501	R.K	41	3	M	870	T-ICU	ICU	19	29/09/2019	september	serum	38.37	N	-	-	-	-	-	0.03	N	drain fluid	No fungal elements seen
628	820303	A.R	63	5	F	871	PCCU	ICU	13	30/09/2019	september	serum	119.01	P	-	-	-	-	-	0.16	N	Sputum	budding yeast like cells with pseudohyphae
629	791618	N.K.K	26	1	F	872	HDU-1	ICU	5	30/09/2019	september	serum	20.64	N	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
630	809843	R.K	55	4	M	873	PCCU	ICU	5	30/09/2019	september	serum	64.45	IND	-	-	-	-	-	0.09	N	Endotracheal secretions	No fungal elements seen
631	815483	S.K	53	4	M	876	NEPHROLOGY	MEDICAL WARD	16	1/10/2019	october	serum	50.85	N	-	-	-	-	-	0.03	N	Sputum	No fungal elements seen
632	369431	V.K	73	6	M	877	ICCU-3	ICU	50	1/10/2019	october	serum	64.59	IND	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
633	645794	SHEI	59	4	F	878	NEPHROLOGY	MEDICAL WARD	14	1/10/2019	october	serum	198.35	P	-	-	-	-	-	0.01	N	Sputum	budding yeast like cells with pseudohyphae
634	474820	H.S.C	87	7	M	879	ICCU-1	ICU	12	1/10/2019	october	serum	61.26	IND	-	19/10/2019	55	N	-	0.21	N	Sputum	No fungal elements seen
635	820163	J.K	71	6	F	881	EICU1	ICU	7	2/10/2019	october	serum	227.1	P	-	-	-	-	-	0.03	N	ascitic fluid	budding yeast like cells with pseudohyphae
636	817391	M.J	33	2	F	883	G-ICU	ICU	31	2/10/2019	october	serum	138.59	P	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
637	821960	A.K	61	5	F	884	ICCU-2	ICU	13	2/10/2019	october	serum	177.62	P	-	-	-	-	-	0.1	N	Sputum	budding yeast like cells with pseudohyphae
638	818845	N.K	19	1	M	886	HDU-2	ICU	11	3/10/2019	october	serum	20.4	N	-	-	-	-	-	0.18	N	ascitic fluid	No fungal elements seen
639	802746	N.S	71	6	M	887	EICU1	ICU	36	3/10/2019	october	serum	17.07	N	-	-	-	-	-	0.11	N	Endotracheal secretions	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
569	217861	No growth	N	No growth	N	11.3	5.2	0.5	-	30	32	-	-	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
570	785998	No growth	N	no growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
571	806411	Candida stellatoidea	N	no growth	N	10.4	29	90	0.62	60	60	1.3	1.03	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N
572	806097	Aspergillus flavus	N	no growth	N	9.7	10.6	93	1.43	396	810	1.25	1.48	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
573	747313	No growth	N	no growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
574	801356	Candida stellatoidea	N	no growth	N	10.4	29	90	0.62	60	50	0.9	0.89	Y	Y	Y	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N
575	808074	No growth	N	no growth	N	9.7	10.6	93	1.43	396	799	0.75	0.5	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
576	805213	No growth	N	no growth	Y	10.7	15.2	72	0.67	254	268	0.75	0.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
577	794915	Candida tropicalis	N	no growth	N	12.4	52	170	3.5	170	275	75	1.34	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
578	807721	No growth	N	no growth	N	12.2	11	-	-	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
579	810425	No growth	N	-	N	10.2	11.3	-	0.61	46	52	-	-	N	Y	N	Y	Y	N	N	N	N	N	N	Y	N	Y	N	N	N	N
580	803736	Candida parapsilosis	N	Acinetobacter baumannii	N	7.6	18.8	52	-	41	-	1.09	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
581	177978	Candida albicans	N	no growth	N	11.4	13.7	63	1.71	-	-	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	N
582	809592	No growth	N	no growth	Y	11.5	2.6	52	-	343	68	0.99	-	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N
583	811528	No growth	N	escherichia coli	N	9.6	11.5	114	0.69	75	66	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	N
584	807274	Candida tropicalis	N	no growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N
585	807377	Candida tropicalis	N	no growth	N	10.5	11.2	8	-	35	36	0.2	0.21	N	Y	N	N	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N
586	760063	No growth	N	no growth	Y	11.5	11.6	8.2	-	20	25	0.5	0.6	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
587	807844	No growth	N	no growth	Y	10.6	10.4	9.5	-	55	52	0.2	0.5	N	Y	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	Y	N	N
588	812003	No growth	N	no growth	N	10.8	-	-	-	61	75	-	-	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y
589	808817	No growth	N	no growth	Y	12.2	11	-	-	-	-	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
590	811572	No growth	N	escherichia coli	N	10.2	11.3	-	0.61	46	52	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
591	812988	No growth	N	no growth	N	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
592	805290	No growth	N	escherichia coli	N	11.4	13.7	63	1.71	-	-	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
593	408672	No growth	N	no growth	N	11.5	2.6	52	-	343	68	0.99	-	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N
594	806350	No growth	N	no growth	N	12.3	-	25	-	50	53	-	-	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
595	814748	Candida tropicalis	N	no growth	Y	11.4	1.4	8	0.68	115	-	-	-	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
596	813170	Candida albicans	N	no growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
597	805542	Candida tropicalis	N	no growth	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
598	812236	Candida stellatoidea	N	no growth	N	11.9	23.7	-	0.44	-	-	-	-	Y	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
599	814549	No growth	N	no growth	N	9.6	11.5	114	0.69	75	66	-	-	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
600	755256	No growth	N	escherichia coli	N	11.4	1.4	8	0.68	115	-	-	-	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
601	812256	No growth	N	stenotrophomonas maltophila	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
602	807946	Aspergillus flavus	N	no growth	Y	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
603	811581	Candida tropicalis	N	Candida lusitaniae	N	11.2	30	20	0.2	50	50	0.2	0.32	N	Y	Y	Y	N	Y	N	N	N	N	Y	N	Y	N	N	N	N	N
604	807252	Aspergillus flavus	N	no growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	Y
605	787900	Candida parapsilosis	N	-	N	11.3	0.3	103	1.79	-	-	0.33	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
606	665926	No growth	N	enterococcus faecium	N	10.6	11.5	-	0.66	51	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
607	813346	No growth	N	No growth	Y	5.2	-	-	-	-	-	-	-	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
608	816537	Candida tropicalis	Y	No growth	N	11.9	23.7	-	0.44	-	-	-	-	N	N	N	N	Y	Y	N	N	N	N	N	Y	N	N	N	Y	N	N
609	811616	Candida tropicalis	N	No growth	N	9.6	11.5	114	0.69	75	66	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
610	811595	Candida tropicalis	N	No growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
611	810656	No growth	N	-	N	10.5	11.2	8	-	35	36	0.2	0.21	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
612	815363	No growth	N	no growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N	N
613	816202	Candida stellatoidea	N	no growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
614	818182	No growth	N	no growth	N	10.8	-	-	-	61	75	-	-	N	N	Y	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
615	815497	Candida albicans	N	no growth	Y	12.2	11	-	-	-	-	-	-	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	N
616	815575	No growth	N	no growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
617	815548	Candida albicans	N	no growth	N	7.6	18.8	52	-	41	-	1.09	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
618	814589	Candida tropicalis	N	no growth	N	11.4	13.7	63	1.71	-	-	-	-	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
619	676387	Candida albicans	N	no growth	N	11.5	2.6	52	-	343	68	0.99	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
620	145532	No growth	N	pseudomonas aeruginosa	N	12.3	-	25	-	50	53	-	-	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
621	818827	Candida albicans	N	no growth	Y	11.4	1.4	8	0.68	115	-	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
622	818862	No growth	N	no growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
623	803042	No growth	N	no growth	Y	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
624	32955	Candida tropicalis	N	no growth	N	10.5	11.2	8	-	35	36	0.2	0.21	N	N	Y	Y	Y	Y	N	N	Y	N	N	N	N	N	N	N	Y	N
625	818670	No growth	N	no growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	Y	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
626	815566	No growth	N	no growth	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
627	810501	No growth	N	no growth	N	10.8	-	-	-	61	75	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
628	820303	Candida stellatoidea	N	no growth	N	12.2	11	-	-	-	-	-	-	N	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
629	791618	No growth	N	no growth	N	10.2	11.3	-	0.61	46	52	-	-	Y	N	N	Y	N	Y	N	N	N	N	N	Y	Y	N	N	N	N	N
630	809843	No growth	N	no growth	Y	7.6	18.8	52	-	41	-	1.09	-	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
631	815483	No growth	N	no growth	N	11.4	13.7	63	1.71	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
632	369431	No growth	N	Staphylococcus hominis	N	11.5	2.6	52	-	343	68	0.99	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
633	645794	Candida tropicalis	N	no growth	Y	12.3	-	25	-	50	53	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
634	474820	No growth	N	Staphylococcus haemolyticus	N	11.4	1.4	8	0.68	115	-	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
635	820163	Candida tropicalis	N	no growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
636	817391	Candida tropicalis	N	no growth	N	7.6	5.3	112	1.46	51	51	0.54	0.6	N	N	Y	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	N
637	821960	Candida parapsilosis	N	escherichia coli	N	11.6	51	-	0.59	46	48	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
638	818845	No growth	N	no growth	N	11.9	-	59	1.79	4661	5202	5.09	7.53	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
639	802746	No growth	N	no growth	Y	13.5	2.4	-	0.68	-	-	0.6	0.5	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
569	217861	cellulitis	Miscellaneous	N	N	Y	N	Y	Y	N	N	N	N	DISCHARGED
570	785998	Complicated falciparum malaria	TROPICAL FEVER	Y	Y	Y	Y	N	N	N	N	N	Y	DISCHARGED
571	806411	ACUTE LYMPHOID LEUKEMIA	ONCOLOGICAL DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
572	806097	Chronic renal failure	RENAL DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
573	747313	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
574	801356	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
575	808074	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
576	805213	HTN/SVD/P FIXATION	Miscellaneous	N	N	N	N	N	Y	N	N	Y	N	DISCHARGED
577	794915	Surgical Procedures	RENAL DISEASE	N	Y	N	N	N	N	N	Y	N	Y	DISCHARGED
578	807721	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
579	810425	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
580	803736	Acute febrile illness	TROPICAL FEVER	Y	N	N	N	N	N	N	Y	N	N	DISCHARGED
581	177978	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	N	N	N	Y	DEATH
582	809592	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
583	811528	Acute febrile illness	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
584	807274	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
585	807377	Acute febrile illness	TROPICAL FEVER	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
586	760063	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
587	807844	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
588	812003	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
589	808817	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
590	811572	DM/HTN/ACS	Miscellaneous	N	Y	Y	N	N	N	N	N	N	Y	DAMA
591	812988	Acute febrile illness	TROPICAL FEVER	Y	N	Y	N	N	N	Y	N	N	N	DISCHARGED
592	805290	DM/DVT/POST ORIF	Miscellaneous	N	N	Y	N	N	N	N	Y	N	N	DEATH
593	408672	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
594	806350	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
595	814748	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
596	813170	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
597	805542	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
598	812236	DOMESTIC FALL	Miscellaneous	Y	Y	Y	N	N	N	N	N	N	N	DISCHARGED
599	814549	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	Y	DAMA
600	755256	SEIZURES	NEUROLOGICAL DISEASE	Y	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
601	812256	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
602	807946	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	N	N	Y	N	N	N	DISCHARGED
603	811581	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
604	807252	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
605	787900	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
606	665926	Chronic renal failure	RENAL DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
607	813346	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	Y	DISCHARGED
608	816537	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
609	811616	WOUND DEBRIDEMENT	Miscellaneous	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
610	811595	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
611	810656	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
612	815363	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
613	816202	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
614	818182	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	Y	N	N	N	DISCHARGED
615	815497	Chronic renal failure	RENAL DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DAMA
616	815575	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	Y	DEATH
617	815548	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	N	N	N	N	Y	N	DISCHARGED
618	814589	afi/shock/sepsis	Miscellaneous	N	N	N	N	N	N	N	N	N	N	DISCHARGED
619	676387	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	N	N	N	N	Y	N	DAMA
620	145532	Chronic renal failure	RENAL DISEASE	N	Y	N	N	Y	Y	N	N	N	N	DISCHARGED
621	818827	Acute renal failure	RENAL DISEASE	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
622	818862	dm/pneumonitis/shock/sepsis/acidosis	Miscellaneous	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
623	803042	post partum haemorrhage/renal failure	Miscellaneous	N	N	N	Y	N	N	N	N	N	Y	DISCHARGED
624	32955	Acute renal failure	RENAL DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
625	818670	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	N	Y	N	Y	DISCHARGED
626	815566	Acute febrile illness	TROPICAL FEVER	Y	Y	N	Y	N	N	N	N	N	N	DISCHARGED
627	810501	Chronic renal failure	RENAL DISEASE	N	N	Y	N	N	Y	N	N	Y	N	DISCHARGED
628	820303	b/l pneumonitis/acute infarct/sepsis/septicemic shock	Miscellaneous	N	N	N	N	N	N	N	Y	N	Y	DAMA
629	791618	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
630	809843	interstitial lung disease	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
631	815483	Acute renal failure	RENAL DISEASE	N	Y	N	N	N	N	Y	Y	N	N	DISCHARGED
632	369431	snakebite/shock	Miscellaneous	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
633	645794	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	Y	N	N	DISCHARGED
634	474820	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
635	820163	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DAMA
636	817391	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
637	821960	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
638	818845	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	Y	N	N	N	Y	N	N	DAMA
639	802746	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	Y	Y	Y	N	Y	N	Y	Y	N	Y	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
640	676849	M.K	61	5	F	888	EICU1	ICU	6	3/10/2019	october	serum	16.61	N	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
641	822090	A.K	76	6	M	889	M-ICU	ICU	5	3/10/2019	october	serum	305.89	P	-	-	-	-	-	0.12	N	Endotracheal secretions	No fungal elements seen
642	166338	A.K	61	5	M	890	HDU-2	ICU	9	4/10/2019	october	serum	26.11	N	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
643	820193	N.K	81	7	F	891	PCCU	ICU	24	4/10/2019	october	serum	28.14	N	-	-	-	-	-	1.16	P	Endotracheal secretions	hyaline septate fungal hyphae
644	131351	S.R	66	5	M	892	ICCU-1	ICU	4	4/10/2019	october	serum	75.8	IND	-	-	-	-	-	0.46	N	Sputum	No fungal elements seen
645	817763	B.K	76	6	M	893	EICU1	ICU	15	4/10/2019	october	serum	144.6	P	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae
646	817324	MAL	47	3	F	894	M-ICU	ICU	11	4/10/2019	october	serum	40.52	N	-	-	-	-	-	0.17	N	Endotracheal secretions	No fungal elements seen
647	822216	G.L	63	5	M	896	PCCU	ICU	6	5/10/2019	october	serum	523	P	-	-	-	-	-	3.45	N	Sputum	budding yeast like cells with pseudohyphae / Hyaline septate fungal hyhae
648	823001	J.S	65	5	M	897	HDU-1	ICU	2	5/10/2019	october	serum	183.33	P	-	-	-	-	-	0.41	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
649	807317	O.S	30	1	M	898	PCCU	ICU	31	5/10/2019	october	serum	523	P	-	-	-	-	-	0.08	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
650	823698	B.D	75	6	M	899	PCCU	ICU	1	5/10/2019	october	serum	523	P	-	-	-	-	-	1.76	P	Sputum	budding yeast like cells with pseudohyphae
651	817483	K.K	66	5	M	900	FW162	MEDICAL WARD	16	5/10/2019	october	serum	7.8	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
652	549515	S.B	55	4	F	901	M-ICU	ICU	21	5/10/2019	october	serum	523	P	Y	935	15/10/2019	523	P	0.12	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
653	822618	K.K	70	5	M	903	NEPHROLOGY	MEDICAL WARD	9	7/10/2019	october	serum	7.8	N	-	-	-	-	-	0.16	N	Sputum	No fungal elements seen
654	124587	C.S	84	7	M	904	STR-ICU	ICU	30	7/10/2019	october	serum	236.39	P	-	-	-	-	-	-	-	Sputum	budding yeast like cells with pseudohyphae
655	173230	S.K	59	4	F	905	ICCU-2	ICU	10	7/10/2019	october	serum	54.4	N	-	-	-	-	-	0.5	P	Sputum	budding yeast like cells with pseudohyphae
656	820441	A.S	44	3	F	907	G-ICU	ICU	9	7/10/2019	october	serum	154.69	P	-	-	-	-	-	0.52	P	Endotracheal secretions	No fungal elements seen
657	820225	V.S	43	3	M	908	G-ICU	ICU	23	8/10/2019	october	serum	30.73	N	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
658	825435	A.S	59	4	M	909	M-ICU	ICU	12	8/10/2019	october	serum	137.49	P	-	-	-	-	-	1.2	P	Sputum	budding yeast like cells with pseudohyphae / Hyaline septate fungal hyhae
659	824583	L.D	59	4	F	911	M-ICU	ICU	18	8/10/2019	october	serum	71.66	IND	Y	950	19/10/2019	70.1	IND	0.3	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
660	825005	A.B	64	5	F	912	ICCU-2	ICU	8	8/10/2019	october	serum	305.24	P	-	-	-	-	-	0.43	N	Sputum	budding yeast like cells with pseudohyphae
661	821222	D.S	22	1	M	913	HDU-1	ICU	24	9/10/2019	october	serum	48.12	N	-	-	-	-	-	0.44	N	Sputum	No fungal elements seen
662	733066	M.S	65	5	M	914	EICU1	ICU	11	10/10/2019	october	serum	50.15	N	-	-	-	-	-	0.19	N	Sputum	No fungal elements seen
663	825702	J.S	49	3	M	915	NEPHROLOGY	MEDICAL WARD	15	10/10/2019	october	serum	>523	P	-	-	-	-	-	0.87	P	Sputum	No fungal elements seen
664	821540	G.S	61	5	M	916	PCCU	ICU	14	11/10/2019	october	serum	179.47	P	-	-	-	-	-	0.84	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
665	380115	N.N	75	6	M	917	NEPHROLOGY	MEDICAL WARD	13	11/10/2019	october	serum	390.57	P	-	-	-	-	-	0.34	P	Sputum	No fungal elements seen
666	823677	S.C	22	1	M	918	G-ICU	ICU	22	11/10/2019	october	serum	382.82	P	-	-	-	-	-	0.93	P	Sputum	No fungal elements seen
667	770214	C.L	69	5	M	919	HDU-1	ICU	10	11/10/2019	october	serum	451.07	P	-	-	-	-	-	-	-	Sputum	budding yeast like cells with pseudohyphae
668	826499	S.D	51	4	F	920	M-ICU	ICU	14	11/10/2019	october	serum	389.38	P	-	-	-	-	-	0.23	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
669	702010	N.D	72	6	F	922	KTP	MEDICAL WARD	27	11/10/2019	october	serum	296	P	-	-	-	-	-	0.17	N	Sputum	No fungal elements seen
670	803755	C.L	66	5	M	924	EICU1	ICU	5	12/10/2019	october	serum	192	P	-	-	-	-	-	0.24	N	Endotracheal secretions	No fungal elements seen
671	826436	J.S	31	2	M	926	EICU1	ICU	33	13/10/2019	october	serum	464.89	P	-	-	-	-	-	0.18	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
672	211463	J.K	50	3	F	927	DWARD	MEDICAL WARD	15	13/10/2019	october	serum	40.12	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
673	771104	R.V	49	3	M	928	SU-1	ICU	14	13/10/2019	october	serum	44.42	N	-	-	-	-	-	-	-	Endotracheal secretions	No fungal elements seen
674	816213	K.S	43	3	M	929	GASTRO-II	MEDICAL WARD	26	14/10/2019	october	serum	31.18	N	-	-	-	-	-	0.38	N	Endotracheal secretions	No fungal elements seen
675	825373	P.B	62	5	F	930	DWARD	MEDICAL WARD	12	14/10/2019	october	serum	41.24	N	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
676	815319	T.S	75	6	M	932	DWARD	MEDICAL WARD	6	14/10/2019	october	serum	49.25	N	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
677	775024	G.S	33	2	M	933	DWARD	MEDICAL WARD	34	14/10/2019	october	serum	35.95	N	-	-	-	-	-	0.03	N	Sputum	budding yeast like cells with pseudohyphae
678	820272	R.S	51	4	M	936	G-ICU	ICU	19	15/10/2019	october	serum	324.27	P	-	-	-	-	-	0.24	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
679	829805	J.P	27	1	M	938	G-ICU	ICU	3	15/10/2019	october	serum	509.86	P	-	-	-	-	-	0.3	N	Sputum	budding yeast like cells with pseudohyphae
680	573244	P.K	63	5	M	940	EICU1	ICU	12	16/10/2019	october	serum	321.8	P	-	-	-	-	-	-	-	ascitic fluid	budding yeast like cells with pseudohyphae
681	568224	G.K	62	5	F	941	NEPHROLOGY	MEDICAL WARD	22	15/10/2019	october	serum	198.01	P	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
682	824579	S.K	25	1	F	942	M-ICU	ICU	21	15/10/2019	october	serum	127.2	P	-	-	-	-	-	0.1	N	tissue	budding yeast like cells with pseudohyphae
683	822092	M.S	59	4	M	943	M-ICU	ICU	22	16/10/2019	october	serum	41.21	N	-	-	-	-	-	0.63	P	Sputum	budding yeast like cells with pseudohyphae
684	825429	SAT	83	7	M	944	EICU1	ICU	11	16/10/2019	october	serum	88.122	P	-	-	-	-	-	6	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
685	621351	P.K.G	54	4	M	945	PCCU	ICU	24	16/10/2019	october	serum	72.69	IND	-	-	-	-	-	0.37	N	Sputum	No fungal elements seen
686	831099	P.K	92	7	F	946	ICCU-1	ICU	3	16/10/2019	october	serum	36.38	N	-	-	-	-	-	0	N	Sputum	No fungal elements seen
687	831247	S.K	76	6	M	947	NEPHROLOGY	MEDICAL WARD	13	17/10/2019	october	serum	250.76	P	-	-	-	-	-	0.04	N	Sputum	budding yeast like cells with pseudohyphae
688	822198	A.S	78	6	M	948	S-ICU	ICU	18	18/10/2019	october	serum	139.92	P	-	-	-	-	-	0.09	N	Sputum	budding yeast like cells with pseudohyphae
689	830600	S.N	75	6	F	949	EICU1	ICU	3	18/10/2019	october	serum	16.11	N	-	-	-	-	-	0.04	N	Endotracheal secretions	No fungal elements seen
690	829325	J.R	52	4	M	951	KTP	MEDICAL WARD	8	18/10/2019	october	serum	49.17	N	-	-	-	-	-	0.08	N	Sputum	No fungal elements seen
691	832231	K.M	60	4	M	954	G-ICU	ICU	4	19/10/2019	october	serum	523	P	-	-	-	-	-	0.09	N	Sputum	budding yeast like cells with pseudohyphae
692	832396	N.S	50	3	M	955	PCCU	ICU	2	19/10/2019	october	serum	270.8	P	-	-	-	-	-	0.09	N	Endotracheal secretions	No fungal elements seen
693	832287	D.C	34	2	M	957	EICU1	ICU	8	19/10/2019	october	serum	192.56	P	-	-	-	-	-	2.26	P	Endotracheal secretions	hyaline septate fungal hyphae
694	831069	B.K	56	4	F	959	EICU1	ICU	18	20/10/2019	october	serum	523	P	-	-	-	-	-	4.65	P	Sputum	budding yeast like cells with pseudohyphae / Hyaline septate fungal hyhae
695	832456	G.K	31	2	F	961	PCCU	ICU	5	20/10/2019	october	serum	97.86	P	-	-	-	-	-	0.24	N	Endotracheal secretions	No fungal elements seen
696	728395	M.V	65	5	F	962	ICCU-2	ICU	10	20/10/2019	october	serum	16.34	N	-	-	-	-	-	0.05	N	Sputum	No fungal elements seen
697	824401	A.S	27	1	M	963	SU-1	SURGICAL WARD	18	20/10/2019	october	serum	263.57	P	-	-	-	-	-	0.25	N	Sputum	No fungal elements seen
698	823779	S.P.G	76	6	M	965	M-ICU	ICU	19	22/10/2019	october	serum	107.69	P	-	-	-	-	-	0.09	N	Sputum	budding yeast like cells with pseudohyphae
699	833874	S.D	94	7	M	966	EICU1	ICU	7	22/10/2019	october	serum	51.02	N	-	-	-	-	-	1.21	P	Endotracheal secretions	No fungal elements seen
700	828050	A.K	25	1	F	967	HDU-1	ICU	31	22/10/2019	october	serum	<7.8	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
701	830023	M.S	23	1	M	968	G-ICU	ICU	8	22/10/2019	october	serum	<7.8	N	-	-	-	-	-	1.44	P	Sputum	No fungal elements seen
702	834088	K.K	70	5	F	969	G-ICU	ICU	8	23/10/2019	october	serum	292.62	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
703	833291	MAN	40	2	F	970	PCCU	ICU	5	24/10/2019	october	serum	179.79	P	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
704	182689	S.G	68	5	M	971	EICU1	ICU	26	24/10/2019	october	serum	108.21	P	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
705	827331	A.A	53	4	M	972	ICCU-3	ICU	16	24/10/2019	october	serum	179.47	P	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
706	768090	I.S	47	3	M	973	S-ICU	ICU	9	24/10/2019	october	serum	242.52	P	-	-	-	-	-	0.7	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
707	831568	B.S	49	3	M	974	MU-III	MEDICAL WARD	9	24/10/2019	october	serum	198.76	P	-	-	-	-	-	0.44	N	ascitic fluid	budding yeast like cells with pseudohyphae
708	834721	SHAB	24	1	F	975	EICU1	ICU	5	25/10/2019	october	serum	523	P	-	-	-	-	-	1.62	P	Endotracheal secretions	hyaline septate fungal hyphae
709	821909	K.D	86	7	F	976	DWARD	MEDICAL WARD	27	25/10/2019	october	serum	84.15	P	-	-	-	-	-	0	N	Sputum	No fungal elements seen
710	682430	G.D	80	6	F	977	DWARD	MEDICAL WARD	13	25/10/2019	october	serum	170.77	P	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
640	676849	No growth	N	no growth	N	88	12.4	160	2.19	-	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
641	822090	Candida stellatoidea	N	no growth	Y	9.3	2.8	-	-	-	-	0.51	1.42	N	N	Y	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N
642	166338	No growth	N	no growth	N	10.9	12.1	51	2.57	-	-	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	Y
643	820193	No growth	N	no growth	N	10.1	14.2	296	7.4	-	-	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
644	131351	No growth	N	no growth	N	5.4	10.3	-	-	-	-	-	-	N	N	Y	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N
645	817763	Candida stellatoidea	N	escherichia coli	N	11.9	-	58	1.36	41	-	0.49	0.5	N	Y	N	Y	Y	N	N	N	N	Y	N	N	N	Y	N	N	N	N
646	817324	No growth	N	no growth	Y	10.3	13.2	75	-	80	-	2.73	4.1	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N
647	822216	Aspergillus flavus	Y	no growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
648	823001	No growth	N	no growth	N	11.3	0.3	103	1.79	-	-	0.33	-	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
649	807317	Candida tropicalis	Y	candida tropicalis	N	10.6	11.5	-	0.66	51	-	-	-	Y	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	Y
650	823698	Candida albicans	Y	no growth	N	5.2	-	-	-	-	-	-	-	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	N
651	817483	No growth	N	escherichia coli	Y	11.9	23.7	-	0.44	-	-	-	-	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N
652	549515	No growth	Y	no growth	N	9.6	11.5	114	0.69	75	66	-	-	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	Y	N
653	822618	No growth	N	no growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	N	N	N	N	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N
654	124587	Candida tropicalis	N	achromobacter xylosoxidans	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
655	173230	Candida stellatoidea	N	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
656	820441	No growth	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
657	820225	No growth	N	stenotrophomonas maltophila	N	10.5	50	169	3.05	54	60	1.25	1.35	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N
658	825435	Aspergillus flavus	N	no growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	Y	N	Y	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
659	824583	No growth	N	Candida parapsilosis	Y	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
660	825005	Candida tropicalis	N	no growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
661	821222	No growth	N	escherichia coli	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
662	733066	No growth	N	no growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
663	825702	No growth	N	no growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
664	821540	No growth	N	no growth	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
665	380115	No growth	N	Klebsiella pneumoniae	Y	8.1	40	57	1.46	60	60	1.2	1.25	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
666	823677	No growth	N	providentia rettgeri	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
667	770214	No growth	N	Klebsiella pneumoniae	N	11.4	10.5	72	1.53	176	192	3.5	4.86	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
668	826499	Candida stellatoidea	N	no growth	N	9.5	12.6	111	3.57	225	250	0.32	0.36	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
669	702010	No growth	N	Acinetobacter baumannii	Y	11.8	14.3	111	0.66	130	129	1.5	1.59	Y	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N	Y	Y	N
670	803755	No growth	N	no growth	Y	11.3	3.9	103	1.79	60	65	0.33	1.31	Y	N	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
671	826436	Candida tropicalis	N	no growth	N	11.2	30	20	0.2	50	50	0.2	0.32	N	N	N	N	Y	N	N	N	N	N	N	Y	N	Y	N	N	N	N
672	211463	No growth	N	Klebsiella pneumoniae	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N
673	771104	No growth	N	no growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y	Y
674	816213	No growth	N	achromobacter xylosoxidans	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	N	N
675	825373	No growth	N	no growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	N	Y	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
676	815319	No growth	N	no growth	Y	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	Y	N	N	N	N
677	775024	No growth	N	staphylococcus aureus	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N
678	820272	Candida tropicalis	N	no growth	N	8.1	40	57	1.46	60	60	1.2	1.25	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
679	829805	Candida stellatoidea	N	no growth	N	12.4	52	170	3.5	-	-	-	-	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
680	573244	Candida tropicalis	N	no growth	N	11.5	11.6	8.2	-	20	25	0.5	0.6	N	Y	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	Y
681	568224	Candida albicans	N	no growth	Y	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	Y	Y	N	N	N	N	N	Y	N	N	N	N	Y	N
682	824579	Candida stellatoidea	N	candida stellatoidea	N	10.8	-	-	-	61	75	-	-	N	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N
683	822092	No growth	N	no growth	N	12.2	11	-	-	-	-	-	-	N	N	N	N	Y	N	N	N	N	N	Y	N	N	Y	N	N	Y	N
684	825429	Candida tropicalis	N	no growth	N	10.2	11.3	-	0.61	46	52	-	-	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
685	621351	No growth	N	no growth	N	7.6	18.8	52	-	41	-	1.09	-	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	N
686	831099	No growth	N	no growth	N	11.4	13.7	63	1.71	-	-	-	-	N	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N
687	831247	Candida stellatoidea	N	no growth	N	11.5	2.6	52	-	343	68	0.99	-	N	N	Y	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	Y	N
688	822198	Candida tropicalis	N	no growth	N	12.3	-	25	-	50	53	-	-	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
689	830600	No growth	N	no growth	Y	11.4	1.4	8	0.68	115	-	-	-	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
690	829325	No growth	N	no growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	N	N	N	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	N
691	832231	Candida tropicalis	N	no growth	Y	7.6	5.3	112	1.46	51	51	0.54	0.6	N	Y	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N
692	832396	Candida stellatoidea	N	no growth	N	7.8	2.5	-	-	-	-	-	-	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
693	832287	Aspergillus flavus	N	no growth	N	11.9	16.2	0.5	0.68	34	30	0.33	0.35	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
694	831069	Aspergillus flavus	Y	no growth	N	9.2	15.6	24	1.2	40	38	4.48	5.05	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
695	832456	No growth	N	no growth	N	8.6	15.2	25	1.6	50	52	1.7	1.78	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
696	728395	No growth	N	no growth	N	7.5	11.3	25	1.25	50	50	0.9	0.8	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
697	824401	No growth	N	escherichia coli	N	6.5	15.2	26	0.9	40	42	0.6	0.7	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
698	823779	Candida tropicalis	N	no growth	N	7.8	2.5	25	0.6	35	36	0.5	0.6	N	N	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
699	833874	No growth	N	no growth	N	9.5	29	20	0.9	35	36	0.8	0.7	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
700	828050	No growth	N	no growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
701	830023	No growth	N	no growth	N	10.4	29	90	0.62	60	50	0.9	0.89	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y
702	834088	No growth	N	no growth	N	9.7	10.6	93	1.43	396	799	0.75	0.5	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
703	833291	No growth	N	no growth	N	10.7	15.2	72	0.67	254	268	0.75	0.6	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
704	182689	No growth	N	no growth	N	12.4	52	170	3.5	170	275	75	1.34	N	N	Y	N	Y	Y	Y	N	N	N	N	N	Y	N	N	N	N	N
705	827331	No growth	N	Acinetobacter baumannii	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	Y
706	768090	Candida tropicalis	N	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
707	831568	No growth	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
708	834721	Aspergillus flavus	Y	Acinetobacter baumannii	N	12.6	50	169	3.05	54	60	1.25	1.35	N	Y	Y	Y	Y	Y	N	N	N	Y	N	N	N	Y	N	N	N	N
709	821909	No growth	N	no growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	N	N
710	682430	No growth	N	Klebsiella pneumoniae	N	11.9	27.5	280	4.22	195	269	4.48	12.6	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
640	676849	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
641	822090	CA PANCREAS	ONCOLOGICAL DISEASE	Y	Y	N	N	Y	N	Y	Y	N	N	DISCHARGED
642	166338	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
643	820193	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	N	Y	N	N	N	N	Y	DAMA
644	131351	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	Y	N	N	Y	Y	N	N	N	Y	DAMA
645	817763	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	Y	N	N	N	N	DISCHARGED
646	817324	Acute febrile illness	TROPICAL FEVER	Y	N	N	N	Y	Y	N	N	N	Y	DISCHARGED
647	822216	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	Y	Y	N	N	N	Y	DISCHARGED
648	823001	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	Y	Y	N	Y	N	N	Y	N	N	N	DEATH
649	807317	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
650	823698	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	Y	Y	N	N	N	N	N	DAMA
651	817483	AML,AKI	ONCOLOGICAL DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
652	549515	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	Y	Y	N	N	DISCHARGED
653	822618	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
654	124587	Acute renal failure	RENAL DISEASE	N	N	Y	N	Y	N	Y	Y	N	N	DISCHARGED
655	173230	DM and hypertensive	Miscellaneous	N	N	Y	N	Y	N	N	N	N	N	DISCHARGED
656	820441	Acute febrile illness	TROPICAL FEVER	Y	N	N	N	Y	N	N	N	N	Y	DEATH
657	820225	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	Y	Y	N	N	N	Y	DISCHARGED
658	825435	Acute renal failure	RENAL DISEASE	N	N	N	N	Y	Y	N	N	N	N	DAMA
659	824583	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	Y	Y	N	N	N	Y	DISCHARGED
660	825005	Chronic renal failure	RENAL DISEASE	Y	N	Y	N	Y	Y	N	N	N	Y	DISCHARGED
661	821222	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	Y	N	N	N	DISCHARGED
662	733066	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	Y	N	N	N	N	N	N	DAMA
663	825702	Acute renal failure	RENAL DISEASE	N	Y	N	Y	Y	Y	N	N	N	Y	DISCHARGED
664	821540	Acute renal failure	RENAL DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
665	380115	Acute renal failure	RENAL DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DISCHARGED
666	823677	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	Y	Y	DISCHARGED
667	770214	Acute febrile illness	TROPICAL FEVER	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
668	826499	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
669	702010	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
670	803755	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
671	826436	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	Y	N	Y	DAMA
672	211463	CA PANCREAS	ONCOLOGICAL DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
673	771104	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
674	816213	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	N	N	N	N	N	Y	N	DISCHARGED
675	825373	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
676	815319	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
677	775024	Acute febrile illness	TROPICAL FEVER	N	N	N	N	N	N	Y	N	N	Y	DAMA
678	820272	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	Y	N	N	N	DISCHARGED
679	829805	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	N	N	Y	N	N	N	N	Y	N	N	DAMA
680	573244	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	Y	N	N	DISCHARGED
681	568224	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	N	Y	N	N	DISCHARGED
682	824579	AML,AKI	ONCOLOGICAL DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
683	822092	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	Y	N	N	Y	DAMA
684	825429	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
685	621351	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	N	N	N	N	Y	N	N	Y	DEATH
686	831099	AML,AKI	ONCOLOGICAL DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
687	831247	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
688	822198	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
689	830600	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
690	829325	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	Y	N	N	DAMA
691	832231	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
692	832396	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
693	832287	crohn disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	Y	N	Y	DISCHARGED
694	831069	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	Y	N	N	N	N	N	DISCHARGED
695	832456	Surgical Procedures	NEUROLOGICAL DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
696	728395	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	Y	N	DISCHARGED
697	824401	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
698	823779	sle with lupus erythematosus	Miscellaneous	Y	Y	N	N	N	Y	N	N	N	N	DISCHARGED
699	833874	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	Y	DISCHARGED
700	828050	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
701	830023	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	Y	N	N	N	N	Y	N	N	DISCHARGED
702	834088	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	Y	N	N	N	N	N	N	Y	N	N	DISCHARGED
703	833291	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	Y	N	N	DISCHARGED
704	182689	CA PANCREAS	ONCOLOGICAL DISEASE	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
705	827331	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	Y	Y	N	N	Y	DISCHARGED
706	768090	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
707	831568	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
708	834721	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	N	N	N	Y	N	N	DISCHARGED
709	821909	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	N	Y	N	N	Y	DEATH
710	682430	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
711	834875	S.S	70	5	M	978	M-ICU	ICU	7	26/10/2019	october	serum	162.33	P	-	-	-	-	-	0.46	N	Sputum	budding yeast like cells with pseudohyphae
712	169332	S.S	72	6	M	979	DWARD	MEDICAL WARD	3	26/10/2019	october	serum	53.26	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
713	831676	J.S	56	4	M	980	M-ICU	ICU	15	28/10/2019	october	serum	<7.8	N	-	-	-	-	-	0.18	N	Endotracheal secretions	No fungal elements seen
714	837235	S.S	20	1	M	981	NEPHROLOGY	MEDICAL WARD	9	28/10/2019	october	serum	523	P	-	-	-	-	-	0.23	N	Sputum	budding yeast like cells with pseudohyphae
715	837059	P.S	62	5	M	983	EICU1	ICU	26	30/10/2019	october	serum	40.66	N	-	-	-	-	-	0	N	ascitic fluid	No fungal elements seen
716	838607	S.R	34	2	F	984	PCCU	ICU	15	30/10/2019	october	serum	523	P	-	-	-	-	-	0.03	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
717	837543	G.B	65	5	F	985	MU-1	MEDICAL WARD	3	30/10/2019	october	serum	7.8	N	-	-	-	-	-	0.09	N	Sputum	budding yeast like cells with pseudohyphae
718	827969	V.P	44	3	F	987	HDU-1	ICU	10	30/10/2019	october	serum	49.62	N	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae
719	837638	C.K	65	5	F	988	ICCU-2	ICU	9	31/10/2019	october	serum	40.52	N	-	-	-	-	-	0.04	N	ascitic fluid	No fungal elements seen
720	834422	K.K	72	6	F	989	NEPHROLOGY	MEDICAL WARD	21	31/10/2019	october	serum	55.85	N	-	-	-	-	-	0.12	N	pleural fluid	No fungal elements seen
721	835645	S.S	34	2	M	991	HDU-1	ICU	10	31/10/2019	october	serum	7.8	N	-	-	-	-	-	-	-	bile fluid	budding yeast like cells with pseudohyphae
722	839228	S.B	68	5	F	992	EICU1	ICU	5	1/11/2019	november	serum	148.42	P	-	-	-	-	-	0	N	Sputum	No fungal elements seen
723	370418	H.D	72	6	M	993	SKIN	MEDICAL WARD	9	1/11/2019	november	serum	187.62	P	-	-	-	-	-	0	N	Sputum	budding yeast like cells with pseudohyphae
724	837144	A.K	54	4	M	994	G-ICU	ICU	9	1/11/2019	november	serum	155.93	P	-	-	-	-	-	4.01	N	Endotracheal secretions	No fungal elements seen
725	791773	P.K	70	5	F	995	EICU1	ICU	20	2/11/2019	november	serum	428.49	P	-	-	-	-	-	0.13	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
726	841051	K.H	62	5	M	996	EICU1	ICU	21	2/11/2019	november	serum	7.8	N	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
727	839308	R.L	60	4	M	997	EICU1	ICU	28	2/11/2019	november	serum	88.46	P	Y	1034	13/11/2019	85.6	P	0.18	N	Sputum	No fungal elements seen
728	667139	A.S	56	4	M	998	BICU	ICU	39	2/11/2019	november	serum	297.05	P	-	-	-	-	-	0	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
729	837329	G.S	45	3	M	1000	G-ICU	ICU	11	2/11/2019	november	serum	288.17	P	-	-	-	-	-	0.15	N	Endotracheal secretions	No fungal elements seen
730	533713	K.G	77	6	F	1001	M-ICU	ICU	8	2/11/2019	november	serum	112.37	P	Y	1016	06/00/2019	77.5	IND	0.39	N	Sputum	No fungal elements seen
731	834833	J.S	65	5	M	1002	ICCU-II	ICU	12	2/11/2019	november	serum	129.15	P	-	-	-	-	-	0.16	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
732	838578	C.M	52	4	M	1003	PCCU	ICU	6	3/11/2019	november	serum	157.34	P	-	-	-	-	-	2.11	P	Endotracheal secretions	No fungal elements seen
733	566120	G.S	30	1	M	1005	HDU-I	ICU	12	4/11/2019	november	serum	78.36	IND	-	-	-	-	-	0.07	N	Endotracheal secretions	No fungal elements seen
734	841069	H.K	37	2	F	1006	G-ICU	ICU	10	4/11/2019	november	serum	87.55	P	-	-	-	-	-	0.09	N	ascitic fluid	budding yeast like cells with pseudohyphae
735	834791	NPS	47	3	M	1007	GASTRO-II	MEDICAL WARD	18	4/11/2019	november	serum	63.01	IND	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
736	834845	D.S	87	7	M	1008	FWARD	MEDICAL WARD	16	4/11/2019	november	serum	68.2	IND	-	-	-	-	-	0.22	N	Sputum	No fungal elements seen
737	837884	N.G	19	1	M	1009	S-ICU	ICU	11	4/11/2019	november	serum	58.28	N	-	-	-	-	-	0.39	N	Endotracheal secretions	No fungal elements seen
738	645845	R.G	65	5	F	1010	FW-151	MEDICAL WARD	15	5/11/2019	november	serum	37.58	N	-	-	-	-	-	0.12	N	ascitic fluid	No fungal elements seen
739	711625	P.S	53	4	M	1012	NS-ICU	ICU	9	5/11/2019	november	serum	284.19	P	-	-	-	-	-	0.65	N	Endotracheal secretions	No fungal elements seen
740	296209	P.K	79	6	F	1013	DWARD	MEDICAL WARD	9	5/11/2019	november	serum	79.98	IND	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
741	459643	S.S	72	6	F	1014	M-ICU	ICU	13	6/11/2019	november	serum	29.71	N	-	-	-	-	-	0.07	N	Sputum	budding yeast like cells with pseudohyphae
742	440391	G.S	26	1	M	1015	ICCU-II	ICU	8	6/11/2019	november	serum	44.22	N	-	-	-	-	-	0	N	Sputum	No fungal elements seen
743	539896	P.S.G	71	6	M	1018	FWARD	MEDICAL WARD	17	6/11/2019	november	serum	62.08	IND	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
744	843648	M.G	45	3	F	1020	NEPHROLOGY	MEDICAL WARD	4	7/11/2019	november	serum	179.1	P	-	-	-	-	-	0	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
745	837858	R.K	40	2	M	1021	ICCU-II	ICU	16	8/11/2019	november	serum	467.6	P	-	-	-	-	-	0.6	P	Sputum	No fungal elements seen
746	834957	S.D	55	4	F	1022	M-ICU	ICU	11	8/11/2019	november	serum	29.51	N	-	-	-	-	-	0	N	Sputum	No fungal elements seen
747	841101	K.S	60	4	M	1023	ICCU-II	ICU	12	9/11/2019	november	serum	160.6	P	-	-	-	-	-	0.01	N	Sputum	No fungal elements seen
748	844408	S.K	66	5	F	1024	EICU1	ICU	4	9/11/2019	november	serum	227.94	P	-	-	-	-	-	0.33	N	Sputum	No fungal elements seen
749	732599	G.K	51	4	F	1025	NEPHROLOGY	MEDICAL WARD	8	10/11/2019	november	serum	84.41	P	-	-	-	-	-	0.16	N	Endotracheal secretions	No fungal elements seen
750	746917	N.K	56	4	F	1026	NEPHROLOGY	MEDICAL WARD	10	10/11/2019	november	serum	523	P	-	-	-	-	-	1.13	N	Sputum	budding yeast like cells with pseudohyphae
751	720745	N.D	55	4	F	1028	G-ICU	ICU	14	11/11/2019	november	serum	114.7	P	-	-	-	-	-	0.41	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
752	847499	M.S	71	6	M	1030	M-ICU	ICU	16	12/11/2019	november	serum	175.03	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
753	845116	R.K	62	5	F	1033	PCCU	ICU	6	13/11/2019	november	serum	421.29	P	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
754	845850	SHEE	58	4	F	1035	PCCU	ICU	9	13/11/2019	november	serum	523	P	-	-	-	-	-	0.12	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
755	332291	R.K	71	6	M	1036	PCCU	ICU	11	13/11/2019	november	serum	523	P	-	-	-	-	-	0	N	Sputum	No fungal elements seen
756	846615	RAJ.K	52	4	M	1037	M-ICU	ICU	3	13/11/2019	november	serum	359	P	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae / Hyaline septate fungal hyhae
757	623683	H.S	51	4	M	1038	M-ICU	ICU	30	13/11/2019	november	serum	523	P	-	-	-	-	-	3.23	P	Endotracheal secretions	hyaline septate fungal hyphae
758	843728	S.K	55	4	F	1039	EICU1	ICU	12	13/11/2019	november	serum	519	P	-	-	-	-	-	0.43	N	Endotracheal secretions	No fungal elements seen
759	832266	B.S	37	2	M	1040	ICCU-II	ICU	4	14/11/2019	november	serum	46.76	N	-	-	-	-	-	-	-	Sputum	No fungal elements seen
760	846756	R.K	42	3	M	1041	NEPHROLOGY	MEDICAL WARD	9	14/11/2019	november	serum	208.51	P	-	-	-	-	-	0.52	P	Sputum	No fungal elements seen
761	839484	S.K	40	2	F	1043	HDU-I	ICU	22	14/11/2019	november	serum	35.23	N	-	-	-	-	-	0.28	N	Sputum	No fungal elements seen
762	848738	RAH	28	1	M	1044	M-ICU	ICU	15	14/11/2019	november	serum	50.79	N	-	-	-	-	-	0.37	N	Sputum	No fungal elements seen
763	843730	P.L	53	4	M	1045	NEPHROLOGY	MEDICAL WARD	3	15/11/2019	november	serum	48.14	N	-	-	-	-	-	0.33	N	Endotracheal secretions	No fungal elements seen
764	844498	M.K	33	2	M	1046	T-ICU	ICU	16	15/11/2019	november	serum	44.91	N	-	-	-	-	-	0.56	P	Endotracheal secretions	No fungal elements seen
765	844483	S.S	65	5	M	1047	S-ICU	ICU	10	15/11/2019	november	serum	28.75	N	-	-	-	-	-	0.21	N	Endotracheal secretions	No fungal elements seen
766	836836	H.S	29	1	M	1049	S-ICU	ICU	60	15/11/2019	november	serum	523	P	Y	1170	16/12/2019	523	P	0.52	P	Endotracheal secretions	No fungal elements seen
767	846143	R.S	63	5	M	1050	M-ICU	ICU	7	15/11/2019	november	serum	113.35	P	-	-	-	-	-	2.64	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
768	756228	U.S	20	1	M	1051	S-ICU	ICU	15	15/11/2019	november	serum	24.89	N	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
769	842868	D.T	24	1	F	1052	PCCU	ICU	58	15/11/2019	november	serum	58.95	N	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
770	846432	A.K	38	2	F	1053	GASTRO-II	ICU	8	16/11/2019	november	serum	47.31	N	-	-	-	-	-	0.12	N	Sputum	No fungal elements seen
771	845165	R.K	32	2	M	1054	G-ICU	ICU	9	16/11/2019	november	serum	47.51	N	-	-	-	-	-	0.49	N	Sputum	No fungal elements seen
772	752666	S.R	69	5	F	1055	ONCOLOGY	ONCOLOGY	6	16/11/2019	november	serum	49.36	N	-	-	-	-	-	0.21	N	Sputum	budding yeast like cells with pseudohyphae
773	847539	P.S	40	2	F	1056	MU-III	MEDICAL WARD	7	17/11/2019	november	serum	52.88	N	-	-	-	-	-	0.16	N	Endotracheal secretions	No fungal elements seen
774	849443	S.S	78	6	M	1058	PCCU	ICU	6	19/11/2019	november	serum	509.73	P	-	-	-	-	-	0.79	N	Sputum	budding yeast like cells with pseudohyphae
775	846722	P.S	43	3	M	1059	S-ICU	ICU	10	19/11/2019	november	serum	44.91	N	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
776	847051	JYO	36	2	F	1061	PCCU	ICU	9	19/11/2019	november	serum	97.87	P	-	-	-	-	-	0.18	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
777	845069	SUN	56	4	F	1062	NEPHROLOGY	MEDICAL WARD	19	19/11/2019	november	serum	91.2	P	-	-	-	-	-	0.17	N	Sputum	budding yeast like cells with pseudohyphae
778	848643	G.K	58	4	F	1063	EICU1	ICU	54	19/11/2019	november	serum	150.02	P	-	-	-	-	-	2.25	N	Endotracheal secretions	hyaline septate fungal hyphae
779	851025	S.S	37	2	M	1064	G-ICU	ICU	27	19/11/2019	november	serum	127.64	P	Y	-	5/12/2019	49.36	N	0.32	N	Sputum	No fungal elements seen
780	849152	R.K	53	4	F	1065	M-ICU	ICU	15	19/11/2019	november	serum	523	P	-	1122	-	-	-	4.15	P	Endotracheal secretions	budding yeast like cells with pseudohyphae
781	851055	S.S	60	4	M	1067	EICU1	ICU	4	20/11/2019	november	serum	48.15	N	-	-	-	-	-	0.11	N	Sputum	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
711	834875	Candida stellatoidea	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.21	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
712	169332	No growth	N	no growth	N	10.5	50	169	3.05	54	60	1.25	1.25	N	N	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y
713	831676	No growth	N	no growth	N	11.3	16.6	152	0.66	42	15	0.6	2	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	N
714	837235	Candida stellatoidea	Y	no growth	Y	11.7	16.4	51	1.25	76	123	1.26	4.86	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N
715	837059	No growth	N	enterococcus faecium	N	11.5	18.4	9	0.46	203	137	0.37	0.36	N	N	N	Y	Y	Y	N	N	N	N	Y	N	N	Y	N	N	Y	N
716	838607	Candida tropicalis	N	escherichia coli	N	11.6	25.6	56	1.2	99	71	0.78	1.59	Y	N	N	Y	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N
717	837543	Candida tropicalis	N	-	N	9.7	15.3	1.28	1.14	450	170	16.25	1.31	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	Y
718	827969	Candida tropicalis	N	no growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
719	837638	No growth	N	no growth	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	N
720	834422	No growth	N	no growth	N	8.1	40	57	1.46	60	60	1.2	1.25	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
721	835645	Candida tropicalis	N	stenotrophomonas maltophila	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
722	839228	No growth	N	no growth	N	5.4	10.3	-	-	61	-	-	-	N	Y	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
723	370418	Candida parapsilosis	N	no growth	N	10.9	2.6	13.6	-	12	12	-	-	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
724	837144	No growth	N	no growth	Y	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N
725	791773	Candida stellatoidea	N	no growth	Y	11.9	27.5	280	4.22	195	269	4.48	5.64	N	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	N
726	841051	No growth	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	Y	N	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	Y	N
727	839308	-	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
728	667139	Candida tropicalis	N	no growth	N	10.5	50	169	3.05	54	60	1.25	1.35	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
729	837329	No growth	N	Klebsiella pneumoniae	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N
730	533713	No growth	N	stenotrophomonas maltophila	Y	11.7	16.4	51	1.25	76	123	1.26	1.5	N	Y	Y	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	Y
731	834833	-	N	Candida tropicalis	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
732	838578	No growth	N	no growth	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N
733	566120	No growth	N	no growth	Y	11.3	3.9	103	1.79	60	65	0.33	1.31	Y	N	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
734	841069	Candida tropicalis	N	no growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
735	834791	No growth	N	no growth	Y	11.9	12.7	106	1.22	51	50	0.73	1.25	N	N	N	N	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N
736	834845	No growth	N	no growth	N	11.9	23.7	120	0.44	203	137	1.25	1.35	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
737	837884	No growth	N	no growth	N	9.6	11.5	114	0.69	75	66	16.25	21.09	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
738	645845	No growth	N	no growth	N	9.5	20.6	90	2.72	242	108	0.63	1.23	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
739	711625	No growth	N	no growth	N	-	10.8	60	1.69	163	42	9.77	11.1	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
740	296209	No growth	N	no growth	N	10.6	10.6	-	0.4	50	49	-	-	N	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
741	459643	No growth	N	no growth	Y	10.6	11.4	77	3.98	82	45	0.51	-	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
742	440391	No growth	N	no growth	N	11.6	10.3	62	2.16	70	45	0.31	-	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y
743	539896	No growth	N	no growth	N	9.5	19.1	63	1.77	129	106	-	-	N	N	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
744	843648	No growth	N	no growth	Y	9.4	-	54	-	117	49	9.72	5.11	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
745	837858	No growth	N	no growth	N	10.2	20.9	-	1.23	94	-	21.24	26.59	N	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N
746	834957	No growth	N	enterococcus faecium	N	9.8	210	54	1.37	83	62	-	-	N	N	Y	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N
747	841101	No growth	N	escherichia coli	N	11.8	14.3	111	0.66	130	129	1.5	1.59	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N
748	844408	No growth	N	no growth	Y	11.4	26.1	85	1.23	45	42	0.37	0.4	N	N	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	Y	N	N
749	732599	No growth	N	no growth	N	11.1	20.9	9	0.5	51	55	0.78	1.03	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
750	746917	No growth	Y	no growth	N	18.5	10.6	-	-	1139	678	0.32	0.25	Y	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	Y
751	720745	No growth	N	Candida parapsilosis	N	10.3	25.4	-	-	241	204	0.62	0.52	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N
752	847499	No growth	N	no growth	N	11.2	-	92	2.05	-	42	0.33	1.2	N	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N
753	845116	No growth	N	no growth	Y	11.6	13.1	75	1.3	95	79	1.86	2.82	N	Y	N	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	Y	N
754	845850	No growth	Y	no growth	Y	17.4	23.6	-	-	74	93	1.82	1.21	N	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N
755	332291	No growth	N	candida albicans	N	11.7	15.3	-	-	67	87	0.32	0.33	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
756	846615	Candida tropicalis	N	no growth	N	10.5	13.8	68	1.5	1037	565	1.87	2.04	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
757	623683	Aspergillus flavus	N	no growth	N	11.3	11	61	1.15	59	87	-	-	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
758	843728	No growth	N	no growth	N	11.1	26.8	123	-	94	58	0.91	1.77	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
759	832266	No growth	N	no growth	N	9.8	14	58	0.43	-	-	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
760	846756	No growth	Y	no growth	N	11.6	11.3	55	0.66	87	73	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
761	839484	No growth	N	Klebsiella pneumoniae	N	10.6	14.6	56	1.38	-	-	0.36	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
762	848738	No growth	N	staphylococcus aureus	N	9.4	21	-	0.57	103	44	-	-	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
763	843730	No growth	N	no growth	N	10.6	10.4	-	-	-	-	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
764	844498	No growth	N	no growth	N	10.8	-	-	-	61	75	-	-	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
765	844483	No growth	N	no growth	N	11.7	10.7	-	0.68	-	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
766	836836	No growth	N	Klebsiella pneumoniae	N	10.2	11.3	-	0.61	46	52	-	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
767	846143	No growth	N	no growth	Y	7.6	18.8	52	-	41	-	1.09	1.55	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
768	756228	No growth	N	no growth	N	11.4	13.7	63	1.71	-	-	-	-	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
769	842868	No growth	N	no growth	N	11.5	2.6	52	-	343	68	0.99	1.54	N	Y	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N
770	846432	No growth	N	no growth	N	8.9	24.9	145	4.95	159	98	6.29	6.32	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
771	845165	No growth	N	Staphylococcus haemolyticus	N	11.4	1.4	8	0.68	115	-	-	-	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
772	752666	No growth	N	no growth	Y	9.2	11.3	-	1.31	-	-	-	-	N	Y	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	N
773	847539	No growth	N	no growth	N	7.6	5.3	112	1.46	51	51	0.54	-	N	N	Y	N	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N
774	849443	Candida tropicalis	N	no growth	N	11.6	51	-	0.59	46	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
775	846722	No growth	N	no growth	N	8.3	17	59	-	124	93	-	-	N	Y	N	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N
776	847051	Candida parapsilosis	N	no growth	N	11.4	3.3	62	0.66	113	44	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	Y
777	845069	Candida tropicalis	N	Candida tropicalis	N	-	21	-	0.64	130	54	1.8	2.42	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
778	848643	Aspergillus flavus	N	staphylococcus epidermidis	N	11.3	10.9	-	-	-	48	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
779	851025	No growth	N	no growth	N	9.3	12.1	87	1.33	54	46	0.55	1.46	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
780	849152	Candida tropicalis	N	no growth	Y	11.3	0.3	103	1.79	-	-	0.33	-	N	Y	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
781	851055	Candida stellatoidea	N	no growth	N	10.6	11.5	-	0.66	51	-	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
711	834875	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	Y	N	Y	N	N	Y	N	N	N	Y	DISCHARGED
712	169332	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
713	831676	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	N	DISCHARGED
714	837235	AML,AKI	ONCOLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
715	837059	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	Y	N	N	DAMA
716	838607	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DEATH
717	837543	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
718	827969	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
719	837638	Acute renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	Y	N	N	DISCHARGED
720	834422	Chronic renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
721	835645	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
722	839228	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	Y	N	Y	N	N	N	N	N	DAMA
723	370418	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	Y	N	Y	DISCHARGED
724	837144	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
725	791773	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	Y	N	N	N	Y	DISCHARGED
726	841051	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DEATH
727	839308	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
728	667139	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	Y	N	N	N	N	DISCHARGED
729	837329	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	Y	N	Y	DAMA
730	533713	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	N	N	Y	DISCHARGED
731	834833	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
732	838578	DM/HTN/ACS	Miscellaneous	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
733	566120	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	Y	N	N	N	N	Y	DEATH
734	841069	DM/DVT/POST ORIF	Miscellaneous	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
735	834791	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
736	834845	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DAMA
737	837884	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
738	645845	CA BREAST	ONCOLOGICAL DISEASE	N	Y	N	N	N	N	N	N	N	N	DAMA
739	711625	Surgical Procedures	NEUROLOGICAL DISEASE	N	N	Y	N	N	Y	N	N	N	N	DISCHARGED
740	296209	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	Y	N	N	N	DAMA
741	459643	coronary artery disease	CARDIOVASCULAR DISEASE	Y	N	N	N	Y	N	N	N	N	N	DISCHARGED
742	440391	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	Y	N	N	N	N	N	N	N	DAMA
743	539896	Acute febrile illness	TROPICAL FEVER	N	Y	N	N	N	N	Y	N	N	N	DAMA
744	843648	Acute febrile illness	TROPICAL FEVER	N	N	N	N	N	N	Y	Y	N	Y	DISCHARGED
745	837858	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
746	834957	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
747	841101	Acute febrile illness	TROPICAL FEVER	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
748	844408	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
749	732599	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	N	N	N	N	N	N	Y	N	N	Y	DISCHARGED
750	746917	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
751	720745	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	Y	DISCHARGED
752	847499	AML,AKI	ONCOLOGICAL DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
753	845116	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	Y	N	N	N	N	Y	DAMA
754	845850	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
755	332291	Pleural effusion	RESPIRATORY TRACT DISEASE	N	N	Y	Y	Y	N	N	N	N	N	DEATH
756	846615	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
757	623683	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	N	Y	Y	N	N	N	N	N	N	DISCHARGED
758	843728	Acute renal failure	RENAL DISEASE	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
759	832266	DM and hypertensive	Miscellaneous	Y	Y	N	N	N	Y	Y	N	N	N	DEATH
760	846756	Acute febrile illness	TROPICAL FEVER	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
761	839484	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
762	848738	Acute renal failure	RENAL DISEASE	Y	Y	Y	N	N	N	Y	N	N	N	DISCHARGED
763	843730	Acute febrile illness	TROPICAL FEVER	N	N	N	N	Y	N	Y	N	N	N	DISCHARGED
764	844498	Chronic renal failure	RENAL DISEASE	N	Y	N	N	N	N	Y	N	N	N	DISCHARGED
765	844483	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	N	Y	N	N	N	N	N	DISCHARGED
766	836836	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	Y	N	N	N	N	N	DAMA
767	846143	Acute renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	N	N	Y	DEATH
768	756228	Acute renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
769	842868	Acute renal failure	RENAL DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
770	846432	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
771	845165	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
772	752666	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	N	N	N	Y	N	N	DISCHARGED
773	847539	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
774	849443	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
775	846722	CA PANCREAS	ONCOLOGICAL DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
776	847051	tuberculosis	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DEATH
777	845069	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	N	Y	Y	N	N	Y	N	Y	DISCHARGED
778	848643	Chronic renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
779	851025	snake bite	Miscellaneous	N	N	N	N	N	N	N	N	Y	N	DISCHARGED
780	849152	Acute febrile illness	TROPICAL FEVER	Y	Y	N	Y	Y	N	N	N	N	Y	DISCHARGED
781	851055	opiod poisoning	Miscellaneous	N	Y	N	N	N	N	N	N	N	N	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
782	850857	N.V	44	3	F	1068	EICU1	ICU	25	20/11/2019	november	serum	41.35	N	-	-	-	-	-	2.12	P	Sputum	budding yeast like cells with pseudohyphae
783	841053	A.K	23	1	F	1071	T-ICU	ICU	77	20/11/2019	november	serum	7.8	N	-	-	-	-	-	0.12	N	Endotracheal secretions	No fungal elements seen
784	850860	S.S	22	1	M	1072	PCCU	ICU	14	20/11/2019	november	serum	122.77	P	-	-	-	-	-	0.18	N	Sputum	budding yeast like cells with pseudohyphae
785	850894	N.S	38	2	M	1073	EICU1	ICU	10	20/11/2019	november	serum	7.8	N	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
786	851068	B.S	55	4	M	1074	NEPHROLOGY	MEDICAL WARD	6	21/11/2019	november	serum	7.8	N	-	-	-	-	-	0.02	N	Sputum	No fungal elements seen
787	844451	S.K.S	67	5	M	1075	G-ICU	ICU	16	21/11/2019	november	serum	16.8	N	-	-	-	-	-	0.47	N	Sputum	No fungal elements seen
788	851840	M.K	32	2	F	1076	PCCU	ICU	18	21/11/2019	november	serum	7.8	N	-	-	-	-	-	0.69	P	Endotracheal secretions	No fungal elements seen
789	850715	C.R	65	5	F	1077	G-ICU	ICU	2	22/11/2019	november	serum	33.59	N	-	-	-	-	-	1.17	P	Sputum	No fungal elements seen
790	846712	M.K	25	1	F	1078	HDU-I	ICU	30	22/11/2019	november	serum	7.8	N	-	-	-	-	-	1.2	P	Endotracheal secretions	No fungal elements seen
791	848669	G.S	30	1	M	1079	M-ICU	ICU	15	22/11/2019	november	serum	55.78	N	-	-	-	-	-	1.17	P	Sputum	No fungal elements seen
792	850832	P.L	26	1	M	1080	EICU1	ICU	18	23/11/2019	november	serum	7.8	N	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
793	847548	POO	60	4	F	1083	HDU-I	ICU	14	23/11/2019	november	serum	52.75	N	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
794	824455	T.S	61	5	M	1084	NEUROSURGERY	SURGICAL WARD	66	24/11/2019	november	serum	111.21	P	-	-	-	-	-	-	-	Endotracheal secretions	budding yeast like cells with pseudohyphae
795	643087	R.K	49	3	M	1085	NEPHROLOGY	MEDICAL WARD	11	24/11/2019	november	serum	122.36	P	-	-	-	-	-	0.49	N	Sputum	No fungal elements seen
796	850827	S.S	38	2	F	1086	HDU-I	MEDICAL WARD	12	24/11/2019	november	serum	523	P	-	-	-	-	-	0.04	N	Endotracheal secretions	No fungal elements seen
797	845210	S.S	72	6	M	1087	PCCU	ICU	32	25/11/2019	november	serum	66.73	IND	-	-	-	-	-	0.24	N	Endotracheal secretions	No fungal elements seen
798	834309	R.S	58	4	M	1088	STR-ICU	ICU	16	25/11/2019	november	serum	276.19	P	-	-	-	-	-	1.3	P	Endotracheal secretions	hyaline septate fungal hyphae
799	844713	N.S	70	5	M	1090	M-ICU	ICU	33	25/11/2019	november	serum	285.46	P	Y	1150	10/12/2019	270.5	P	0.19	P	Endotracheal secretions	No fungal elements seen
800	777924	G.S	32	2	M	1092	EICU1	ICU	9	25/11/2019	november	serum	43.74	N	-	-	-	-	-	0.08	N	Sputum	No fungal elements seen
801	847504	P.K	55	4	F	1094	ICCU-4	ICU	16	25/11/2019	november	serum	356.35	P	-	-	-	-	-	0	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
802	848776	R.K	40	2	M	1096	EICU1	ICU	17	27/11/2019	november	serum	38.89	N	-	-	-	-	-	0.07	N	Sputum	No fungal elements seen
803	850772	S.K	38	2	F	1097	M-ICU	ICU	21	27/11/2019	november	serum	523	P	-	-	-	-	-	0.41	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
804	736576	S.K	68	5	F	1099	G-ICU	ICU	19	27/11/2019	november	serum	47.54	N	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
805	850069	B.S	35	2	M	1101	BICU	ICU	14	28/11/2019	november	serum	46.72	N	-	-	-	-	-	0.2	N	Endotracheal secretions	No fungal elements seen
806	855272	D.R	78	6	M	1102	GASTRO-II	MEDICAL WARD	18	28/11/2019	november	serum	87.23	P	-	-	-	-	-	0.1	N	Endotracheal secretions	No fungal elements seen
807	857305	G.S	55	4	M	1103	PCCU	ICU	4	29/11/2019	november	serum	62.71	IND	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
808	858147	M.L.S	70	5	M	1104	ICCU-4	ICU	7	29/11/2019	november	serum	57.4	N	-	-	-	-	-	0.19	N	Sputum	budding yeast like cells with pseudohyphae
809	855167	M.R	64	5	M	1107	EICU1	ICU	27	30/11/2019	november	serum	77.09	IND	Y	1162	14/12/2019	58.12	N	0.11	N	Sputum	No fungal elements seen
810	851011	A.S	57	4	M	1109	EICU1	ICU	26	30/11/2019	november	serum	70.73	IND	-	-	-	-	-	0.13	N	Endotracheal secretions	No fungal elements seen
811	859290	T.D	48	3	F	1111	EICU1	ICU	11	1/12/2019	december	serum	31.41	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
812	852526	R.C.S	73	6	M	1112	EICU1	ICU	17	1/12/2019	december	serum	68.63	IND	-	-	-	-	-	0.06	N	Sputum	No fungal elements seen
813	80709	K.S	64	5	M	1113	NEPHROLOGY	MEDICAL WARD	6	2/12/2019	december	serum	50.45	N	-	-	-	-	-	0.06	N	Sputum	No fungal elements seen
814	734849	S.B	47	3	F	1114	DWARD	MEDICAL WARD	7	2/12/2019	december	serum	150.03	P	Y	1155	11/12/2019	128.72	P	0.04	N	Sputum	No fungal elements seen
815	850996	B.S	65	5	M	1115	T-ICU	ICU	23	2/12/2019	december	serum	56.83	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
816	860150	S.S	38	2	M	1116	EICU1	ICU	13	2/12/2019	december	serum	22.59	N	Y	1151	10/12/2019	7.3	N	0.22	N	Endotracheal secretions	No fungal elements seen
817	583893	K.R	69	5	M	1117	MICU	ICU	16	4/12/2019	december	serum	116.25	P	-	-	-	-	-	0.31	N	Sputum	No fungal elements seen
818	857286	C.K	60	4	F	1119	FWARD	MEDICAL WARD	15	4/12/2019	december	serum	50.45	N	-	-	-	-	-	0.13	N	Sputum	budding yeast like cells with pseudohyphae
819	860787	A.K	44	3	F	1120	EICU1	ICU	10	5/12/2019	december	serum	75.48	IND	-	-	-	-	-	0.09	N	Sputum	No fungal elements seen
820	860130	G.S	55	4	M	1126	MICU	ICU	5	5/12/2019	december	serum	442.98	P	-	-	-	-	-	3.86	P	Endotracheal secretions	hyaline septate fungal hyphae
821	853861	N.R	59	4	F	1127	MICU	ICU	30	5/12/2019	december	serum	44.71	N	-	-	-	-	-	0.05	N	Sputum	budding yeast like cells with pseudohyphae
822	853278	R.K	45	3	M	1128	GASTRO-II	MEDICAL WARD	22	6/12/2019	december	serum	28	N	Y	3	29/12/2019	55.64	N	1.19	N	Endotracheal secretions	No fungal elements seen
823	385022	T.L	67	5	M	1131	NEPHROLOGY	MEDICAL WARD	2	7/12/2019	december	serum	132.84	P	-	-	-	-	-	0.01	N	Sputum	No fungal elements seen
824	861789	K.S.G	50	3	M	1134	MICU	ICU	15	7/12/2019	december	serum	48.58	N	-	-	-	-	-	0.01	N	Sputum	No fungal elements seen
825	856895	H.C	71	6	M	1139	FWARD	MEDICAL WARD	13	7/12/2019	december	serum	171	P	-	-	-	-	-	0.02	N	Endotracheal secretions	No fungal elements seen
826	150870	J.S	65	5	M	1140	G-ICU	ICU	3	8/12/2019	december	serum	>523	P	-	-	-	-	-	4.21	P	Sputum	hyaline septate fungal hyphae
827	98862	J.S	83	7	M	1146	ICCU-I	ICU	11	9/12/2019	december	serum	330.32	P	-	-	-	-	-	0.06	N	Endotracheal secretions	No fungal elements seen
828	837937	K.S	57	4	F	1149	HDU-I	ICU	22	10/12/2019	december	serum	59.71	N	-	-	-	-	-	0.15	N	Sputum	No fungal elements seen
829	675773	P.K	64	5	M	1152	NEPHROLOGY	MEDICAL WARD	18	11/12/2019	december	serum	104	P	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
830	865403	M.S	72	6	M	1153	PCCU	ICU	9	11/12/2019	december	serum	242.97	P	-	-	-	-	-	0.07	N	Sputum	budding yeast like cells with pseudohyphae
831	773381	R.K	48	3	F	1154	GASTRO-II	MEDICAL WARD	12	11/12/2019	december	serum	44.64	N	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
832	863637	J.S	65	5	M	1156	MICU	ICU	15	12/12/2019	december	serum	35.49	N	-	-	-	-	-	0.05	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
833	864211	V.R	64	5	F	1159	HDU-II	ICU	5	13/12/2019	december	serum	307.52	P	-	-	-	-	-	1.44	P	Endotracheal secretions	hyaline septate fungal hyphae
834	864291	V.J	59	4	F	1160	DWARD	MEDICAL WARD	7	13/12/2019	december	serum	26.41	N	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
835	866179	R.K	55	4	F	1161	EICU1	ICU	4	14/12/2019	december	serum	523	P	-	-	-	-	-	3.28	P	Endotracheal secretions	hyaline septate fungal hyphae
836	864181	S.K.J	74	6	F	1163	EICU1	ICU	8	14/12/2019	december	serum	58.13	N	-	-	-	-	-	0.04	N	Sputum	No fungal elements seen
837	829693	M.S	33	2	M	1164	HDU-I	ICU	20	14/12/2019	december	serum	485.76	P	Y	13	31/12/2019	254.63	P	0.18	N	Sputum	budding yeast like cells with pseudohyphae
838	862866	G.S	36	2	M	1165	G-ICU	ICU	31	15/12/2019	december	serum	30.67	N	-	-	-	-	-	1.04	P	Sputum	No fungal elements seen
839	865559	R.S	62	5	M	1166	MICU	ICU	4	15/12/2019	december	serum	99.13	P	-	-	-	-	-	0.01	N	Endotracheal secretions	No fungal elements seen
840	866654	P.S	55	4	M	1168	HDU-II	ICU	14	16/12/2019	december	serum	44.24	N	-	-	-	-	-	0.13	N	Sputum	No fungal elements seen
841	641507	K.S	61	5	M	1169	NEPHROLOGY	MEDICAL WARD	17	16/12/2019	december	serum	523	P	-	-	-	-	-	2.6	P	Sputum	budding yeast like cells with pseudohyphae
842	864917	N.S	40	2	F	1171	ICCU-I	ICU	13	16/12/2019	december	serum	147.69	P	-	-	-	-	-	0.1	N	Sputum	No fungal elements seen
843	866390	A.K.G	57	4	M	1172	DWARD	MEDICAL WARD	9	16/12/2019	december	serum	63.81	IND	-	-	-	-	-	0.03	N	Endotracheal secretions	No fungal elements seen
844	862903	M.K	71	6	F	1176	EICU1	ICU	11	16/12/2019	december	serum	458.92	P	-	-	-	-	-	0.14	N	Endotracheal secretions	No fungal elements seen
845	866052	S.R	72	6	F	1177	EICU1	ICU	15	16/12/2019	december	serum	156.42	P	-	-	-	-	-	0.09	N	Endotracheal secretions	hyaline septate fungal hyphae
846	859447	D.R.D	67	5	M	1178	EICU1	ICU	21	17/12/2019	december	serum	68.69	IND	-	-	-	-	-	0.26	N	Sputum	budding yeast like cells with pseudohyphae
847	866974	S.K	29	1	F	1179	FW-151	MEDICAL WARD	9	17/12/2019	december	serum	523	P	Y	1223	27/12/2019	457.62	P	0.06	N	Endotracheal secretions	No fungal elements seen
848	865689	M.S	72	6	M	1187	MICU	ICU	8	19/12/2019	december	serum	523	P	-	-	-	-	-	3.55	P	Endotracheal secretions	hyaline septate fungal hyphae
849	868294	H.K	50	3	F	1190	HDU-II	ICU	11	20/12/2019	december	serum	26.73	N	-	-	-	-	-	0.11	N	Endotracheal secretions	No fungal elements seen
850	487433	B.K	47	3	F	1191	HDU-I	ICU	6	20/12/2016	december	serum	72.82	IND	-	-	-	-	-	0.35	N	Sputum	No fungal elements seen
851	435690	M.L.G	73	6	M	1193	ICCU-II	ICU	3	20/12/2019	december	serum	54.23	N	-	-	-	-	-	1.31	P	Endotracheal secretions	No fungal elements seen
852	869609	P.K	50	3	M	1197	EICU1	ICU	9	21/12/2019	december	serum	80.03	P	-	-	-	-	-	0.33	N	Sputum	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
782	850857	No growth	N	no growth	N	5.2	-	-	-	-	-	-	-	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
783	841053	No growth	N	no growth	N	11.9	23.7	-	0.44	-	-	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
784	850860	No growth	N	no growth	N	9.6	11.5	114	0.69	75	66	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
785	850894	No growth	N	no growth	N	9.5	11.6	118	0.8	50	50	0.3	0.25	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
786	851068	No growth	Y	no growth	Y	10.5	11.2	8	-	35	36	0.2	0.21	N	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N
787	844451	No growth	N	no growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
788	851840	No growth	N	Klebsiella pneumoniae	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
789	850715	No growth	N	no growth	Y	8.1	40	57	1.46	60	60	1.2	1.25	Y	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	N
790	846712	No growth	N	no growth	N	6.6	3.7	60	0.63	173	180	1.4	2	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
791	848669	No growth	N	Klebsiella pneumoniae	N	10.6	10.4	9.5	-	55	52	0.2	0.5	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
792	850832	No growth	N	no growth	N	10.8	-	-	-	61	75	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
793	847548	No growth	N	streptococcus agalactiae	Y	12.2	11	-	-	-	-	-	-	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
794	824455	Candida stellatoidea	N	no growth	N	10.2	11.3	-	0.61	46	52	-	-	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
795	643087	No growth	Y	sphingomonas paucimobilis	N	7.6	18.8	52	-	41	-	1.09	-	N	Y	N	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N
796	850827	No growth	N	no growth	N	8.6	2.8	128	7.31	52	52	1.2	2	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
797	845210	No growth	N	staphylococcus epidermidis	N	10.4	29	90	0.62	60	60	1.3	1.03	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
798	834309	No growth	Y	no growth	Y	9.7	10.6	93	1.43	396	810	1.25	1.48	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
799	844713	Candida parapsilosis	N	no growth	Y	10.7	15.2	72	0.67	256	270	0.75	1.34	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
800	777924	No growth	N	no growth	Y	11.6	3.9	76	1.42	270	120	0.36	1.38	Y	Y	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N
801	847504	No growth	N	no growth	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
802	848776	No growth	N	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	Y	N	Y	N	Y	Y	N	N	N	N	N	Y	N	N	N	N	N
803	850772	Candida tropicalis	N	Candida lusitaniae	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	Y
804	736576	No growth	N	no growth	N	10.5	50	169	3.05	54	60	1.25	1.35	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
805	850069	No growth	N	no growth	N	11.3	16.6	152	0.66	42	15	0.6	0.5	N	N	Y	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
806	855272	No growth	N	no growth	N	5.8	3.2	0.6	-	12	15	-	-	Y	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N
807	857305	No growth	N	Staphylococcus aureus	N	-	-	-	-	-	-	-	-	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N
808	858147	Candida tropicalis	N	no growth	N	12.6	11.5	5.23	-	22	25	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
809	855167	No growth	N	Staphylococcus aureus	N	-	-	-	-	-	-	-	-	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
810	851011	No growth	N	no growth	N	8.6	2.6	4.2	-	-	-	-	-	N	Y	N	Y	N	Y	Y	N	N	N	N	N	Y	N	N	N	N	N
811	859290	No growth	N	no growth	N	9.8	10.1	92	1.74	1385	566	0.95	1.22	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	Y
812	852526	No growth	N	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
813	80709	No growth	N	no growth	N	8.1	16.2	141	3.95	254	280	0.36	1.38	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N
814	734849	No growth	N	no growth	Y	11.4	10.5	72	1.53	176	192	3.5	4.86	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N
815	850996	No growth	N	no growth	N	9.5	12.6	111	3.57	225	250	0.32	0.36	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N
816	860150	No growth	N	no growth	N	11.8	14.3	111	0.66	130	129	1.5	1.59	Y	Y	Y	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
817	583893	No growth	N	no growth	N	11.3	3.9	103	1.79	60	65	0.33	1.31	N	Y	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	N
818	857286	No growth	N	no growth	N	10.6	11.5	120	0.66	51	55	0.32	1.05	N	N	N	Y	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N
819	860787	No growth	N	no growth	N	11.9	12.7	106	1.22	51	50	0.73	1.25	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	Y	Y
820	860130	Aspergillus fumigatus	N	acinetobacter junni	N	11.9	23.7	120	0.44	203	137	1.25	1.35	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
821	853861	No growth	N	Candida tropicalis	N	9.6	11.5	114	0.69	75	66	16.25	21.09	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
822	853278	-	N	no growth	N	11.7	16.4	51	1.25	76	123	1.26	1.5	N	Y	Y	Y	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N
823	385022	-	N	no growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	Y	Y	N	N
824	861789	No growth	N	staphylococcus aureus	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N
825	856895	No growth	N	no growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
826	150870	Aspergillus flavus	N	no growth	N	11.7	16.6	152	0.52	200	210	12	12.6	N	Y	Y	N	Y	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y
827	98862	-	N	Candida tropicalis	N	10.7	24.3	233	7.02	61	65	0.55	1.21	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	N
828	837937	No growth	N	no growth	N	8.1	40	57	1.46	60	60	1.2	1.25	N	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N
829	675773	No growth	N	no growth	Y	6.6	3.7	60	0.63	173	180	1.4	2	N	N	Y	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	Y	N
830	865403	Candida stellatoidea	N	no growth	N	11.5	18.4	9	0.46	203	137	0.37	0.45	Y	Y	N	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N
831	773381	No growth	N	escherichia coli	N	11.6	25.6	56	1.2	99	71	0.78	1.03	N	Y	Y	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
832	863637	No growth	N	no growth	N	9.7	15.3	1.28	1.14	450	170	16.25	21.09	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
833	864211	No growth	N	no growth	Y	5.2	-	-	-	-	-	-	-	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N
834	864291	No growth	N	no growth	N	11.3	5.2	0.5	-	30	32	-	-	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
835	866179	No growth	Y	no growth	Y	9.5	20.6	90	2.72	242	108	0.63	1.23	N	Y	N	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N
836	864181	No growth	N	no growth	Y	-	10.8	60	1.69	163	42	9.77	11.1	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
837	829693	Candida tropicalis	N	Candida tropicalis	N	11.4	26.1	85	1.23	45	42	0.37	0.4	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N
838	862866	No growth	N	escherichia coli	N	11.1	20.9	9	0.5	51	55	0.78	1.03	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
839	865559	-	N	no growth	N	18.5	10.6	-	-	1139	678	0.32	0.25	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
840	866654	-	N	salmonella typhi	Y	8.6	2.8	128	7.31	52	55	0.5	0.45	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
841	641507	No growth	N	enterobacter cloacae	Y	11.5	2.6	52	-	343	68	0.99	-	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
842	864917	No growth	N	no growth	N	12.3	-	25	-	50	53	-	-	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
843	866390	No growth	N	no growth	N	11.4	1.4	8	0.68	115	-	-	-	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
844	862903	No growth	N	no growth	N	9.2	11.3	0.2	1.31	58	60	0.2	0.15	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
845	866052	Aspergillus flavus	N	Staphylococcus haemolyticus	Y	11.9	27.5	280	-	-	-	-	5.64	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
846	859447	Candida tropicalis	N	no growth	Y	7.8	2.5	-	-	-	-	-	-	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N	N
847	866974	No growth	N	no growth	N	11.9	16.2	0.5	0.68	34	30	0.33	0.35	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
848	865689	No growth	N	no growth	N	9.2	15.6	24	1.2	40	38	4.48	5.05	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
849	868294	No growth	N	no growth	N	8.6	15.2	25	1.6	50	52	1.7	1.78	N	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N
850	487433	No growth	N	no growth	N	7.5	11.3	25	1.25	50	50	0.9	0.8	N	Y	Y	N	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N
851	435690	Aspergillus fumigatus	N	no growth	N	6.5	15.2	26	0.9	40	42	0.6	0.7	Y	N	Y	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N
852	869609	Candida tropicalis	N	no growth	Y	7.8	2.5	25	0.6	35	36	0.5	0.6	Y	N	Y	Y	Y	Y	N	N	N	N	N	N	N	Y	N	N	Y	Y

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalosporins	imipenem	mereponem	Teicoplanin	tigecycline	cefoperazone sulbactam	colistin	Antifungal	Outcome
782	850857	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
783	841053	Chronic renal failure	RENAL DISEASE	Y	N	N	N	N	N	N	N	N	N	DISCHARGED
784	850860	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	N	Y	N	N	N	N	DAMA
785	850894	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
786	851068	Chronic renal failure	RENAL DISEASE	Y	N	N	N	Y	N	N	N	N	N	DISCHARGED
787	844451	Pleural effusion	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
788	851840	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DEATH
789	850715	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
790	846712	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
791	848669	Acute febrile illness	TROPICAL FEVER	N	N	N	N	N	N	Y	N	N	N	DISCHARGED
792	850832	Acute febrile illness	TROPICAL FEVER	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
793	847548	Acute renal failure	RENAL DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED
794	824455	SEIZURES	NEUROLOGICAL DISEASE	Y	N	N	N	N	N	Y	N	N	Y	DISCHARGED
795	643087	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DISCHARGED
796	850827	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
797	845210	SEIZURES	NEUROLOGICAL DISEASE	N	N	N	Y	N	N	N	N	N	N	DISCHARGED
798	834309	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
799	844713	SEIZURES	NEUROLOGICAL DISEASE	N	Y	Y	N	N	N	N	N	N	N	DAMA
800	777924	Chronic renal failure	RENAL DISEASE	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
801	847504	SEIZURES	NEUROLOGICAL DISEASE	Y	N	N	N	Y	N	N	N	N	Y	DISCHARGED
802	848776	CA PANCREAS	ONCOLOGICAL DISEASE	Y	Y	N	N	N	N	N	N	N	N	DAMA
803	850772	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	Y	N	N	N	DISCHARGED
804	736576	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
805	850069	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
806	855272	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	Y	N	N	DISCHARGED
807	857305	Acute febrile illness	TROPICAL FEVER	Y	N	Y	N	N	N	N	N	N	Y	DISCHARGED
808	858147	Liver disease	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
809	855167	pneumonia	RESPIRATORY TRACT DISEASE	Y	Y	N	N	Y	N	N	N	N	N	DAMA
810	851011	CA PANCREAS	ONCOLOGICAL DISEASE	N	N	N	N	N	Y	N	N	N	N	DISCHARGED
811	859290	tuberculosis	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DAMA
812	852526	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
813	80709	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	N	N	N	Y	N	N	N	N	DISCHARGED
814	734849	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	Y	N	N	N	N	N	N	N	Y	DISCHARGED
815	850996	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	N	N	N	N	Y	DISCHARGED
816	860150	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	N	Y	N	N	Y	N	N	N	N	N	DAMA
817	583893	pneumonia	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	N	N	N	N	N	DISCHARGED
818	857286	CA PANCREAS	ONCOLOGICAL DISEASE	N	Y	N	N	Y	N	N	N	N	N	DEATH
819	860787	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
820	860130	coronary artery disease	CARDIOVASCULAR DISEASE	N	Y	N	N	N	Y	N	N	N	Y	DAMA
821	853861	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	Y	N	Y	N	Y	DEATH
822	853278	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	Y	Y	N	N	N	N	N	N	DISCHARGED
823	385022	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	N	N	N	N	N	DISCHARGED
824	861789	Liver disease	GASTROINTESTINAL TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DAMA
825	856895	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	N	N	N	Y	Y	N	N	N	N	Y	DISCHARGED
826	150870	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	Y	DISCHARGED
827	98862	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	Y	N	N	N	N	N	N	N	DISCHARGED
828	837937	AML,AKI	ONCOLOGICAL DISEASE	N	N	Y	N	Y	N	N	N	N	N	DISCHARGED
829	675773	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	N	N	N	Y	Y	N	Y	Y	N	DISCHARGED
830	865403	pneumonia	RESPIRATORY TRACT DISEASE	Y	N	N	Y	Y	Y	N	N	N	N	DAMA
831	773381	Pleural effusion	RESPIRATORY TRACT DISEASE	Y	N	N	N	Y	N	Y	N	N	N	DISCHARGED
832	863637	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	Y	N	N	N	N	N	Y	Y	N	N	DISCHARGED
833	864211	crohn disease	GASTROINTESTINAL TRACT DISEASE	N	N	N	Y	N	Y	N	N	Y	N	DEATH
834	864291	Acute renal failure	RENAL DISEASE	N	N	N	Y	Y	N	N	N	N	N	DISCHARGED
835	866179	DM and hypertensive	Miscellaneous	N	Y	N	N	N	N	N	N	N	N	DEATH
836	864181	Acute febrile illness	TROPICAL FEVER	N	Y	Y	N	Y	N	N	Y	N	N	DISCHARGED
837	829693	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	Y	N	N	N	N	Y	DISCHARGED
838	862866	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	N	DAMA
839	865559	Acute febrile illness	TROPICAL FEVER	Y	N	N	Y	Y	Y	N	N	N	Y	DEATH
840	866654	Chronic renal failure	RENAL DISEASE	Y	Y	Y	Y	N	N	N	N	Y	Y	DISCHARGED
841	641507	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	Y	N	N	N	N	DISCHARGED
842	864917	coronary artery disease	CARDIOVASCULAR DISEASE	Y	Y	N	N	N	Y	N	N	N	N	DISCHARGED
843	866390	Acute renal failure	RENAL DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
844	862903	Acute renal failure	RENAL DISEASE	N	Y	Y	N	Y	Y	Y	N	Y	N	DEATH
845	866052	Acute renal failure	RENAL DISEASE	Y	N	N	Y	N	N	N	N	N	N	DAMA
846	859447	Acute pancreatitis	GASTROINTESTINAL TRACT DISEASE	N	N	Y	N	N	N	N	N	N	N	DISCHARGED
847	866974	Acute febrile illness	TROPICAL FEVER	Y	Y	N	N	N	N	N	N	N	Y	DEATH
848	865689	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	Y	N	DAMA
849	868294	SLE WITH LUPUS NEHPHRITIS/LRTI	Miscellaneous	N	N	N	Y	Y	Y	N	N	N	N	DISCHARGED
850	487433	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	N	DISCHARGED
851	435690	CA PANCREAS	ONCOLOGICAL DISEASE	Y	Y	N	Y	Y	Y	N	N	N	Y	DISCHARGED
852	869609	tuberculosis	RESPIRATORY TRACT DISEASE	Y	N	Y	Y	N	N	N	N	Y	Y	DISCHARGED

S.NO	MRD	NAME	AGE	AGE GROUP	SEX	Lab no.	location	LOCATIONS	Number of days	DORS	months	Sample	BG	P/N/IND	Y/N	REPEAT BDG_LAB NO.	REPEAT BDG_DATE	REPEAT BDG_RESULT	REPEAT BDG_P/N/IND	GM	P/N	other sample	FUNGAL SMEAR
853	870529	KHUS	28	1	M	1206	SU-II	SURGICAL WARD	5	22/12/2019	december	serum	288.19	P	-	-	-	-	-	1.16	P	Endotracheal secretions	No fungal elements seen
854	869632	V.B	60	4	M	1208	NEPHROLOGY	MEDICAL WARD	7	23/12/2019	december	serum	29.85	N	-	-	-	-	-	0.49	N	Sputum	No fungal elements seen
855	436827	T.K.J	76	6	F	1215	FWARD	MEDICAL WARD	2	24/12/2019	december	serum	152.59	P	-	-	-	-	-	0.16	N	Endotracheal secretions	No fungal elements seen
856	866637	A.K	25	1	M	1217	G-ICU	ICU	22	25/12/2019	december	serum	12.1	N	-	-	-	-	-	0.18	N	Sputum	budding yeast like cells with pseudohyphae
857	870517	S.K	57	4	M	1221	G-ICU	ICU	22	27/12/2019	december	serum	24.67	N	-	-	-	-	-	0.11	N	Sputum	No fungal elements seen
858	187738	D.P	81	7	M	1227	DWARD	MEDICAL WARD	22	27/12/2019	december	serum	73.63	IND	-	-	-	-	-	0.15	N	Endotracheal secretions	No fungal elements seen
859	873252	J.S	40	2	M	4	EICU1	ICU	4	30/12/2019	december	serum	166.14	P	-	-	-	-	-	0.14	N	Sputum	No fungal elements seen
860	661596	G.S	64	5	M	5	FWARD	MEDICAL WARD	12	30/12/2019	december	serum	94.65	P	-	-	-	-	-	0.07	N	Endotracheal secretions	budding yeast like cells with pseudohyphae
861	863621	V.J	59	4	F	8	DWARD	MEDICAL WARD	1	30/12/2019	december	serum	185.61	P	-	-	-	-	-	0	N	Endotracheal secretions	No fungal elements seen
862	874224	P.L	72	6	M	12	NSCU	ICU	5	31/12/2019	december	serum	66.61	IND	-	-	-	-	-	0.16	N	Endotracheal secretions	budding yeast like cells with pseudohyphae

S.NO	MRD	FUNGAL CULTURE	Dialysis	blood culture	NEUTROPENIA	HB	TLC	UREA	CREATININE	SGOT	SGPT	BILIRUBIN (D)	BILIRUBIN (T)	chest pain	Fever	cough	haemoptysis	dyspnea	steroid use	malignancy	HIV	organ transplant	pneumonia	COPD	LRTI	PLEURAL EFFUSION	afi	cirrhosis	htn	ckd	TB
853	870529	No growth	N	no growth	N	9.5	29	20	0.9	35	36	0.8	0.7	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N
854	869632	No growth	N	no growth	N	8.6	2.8	128	7.31	52	55	0.5	0.45	N	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
855	436827	No growth	N	no growth	Y	10.4	29	90	0.62	60	50	0.9	0.89	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N
856	866637	Candida tropicalis	N	no growth	N	9.7	10.6	93	1.43	396	799	0.75	0.5	N	N	Y	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N
857	870517	No growth	N	no growth	N	10.7	15.2	72	0.67	254	268	0.75	0.6	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	Y	N	N
858	187738	No growth	N	no growth	N	12.4	52	170	3.5	170	275	75	1.34	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
859	873252	No growth	N	Klebsiella pneumoniae	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	Y	N	N	Y	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y
860	661596	No growth	N	no growth	N	11.9	27.5	280	4.22	195	269	4.48	5.64	N	N	N	Y	Y	Y	N	N	N	N	N	Y	N	N	N	N	Y	N
861	863621	No growth	N	no growth	Y	8.1	16.2	141	3.95	254	280	0.36	1.38	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N
862	874224	No growth	Y	no growth	N	12.6	50	169	3.05	54	60	1.25	1.35	N	N	N	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	Y	N

S.NO	MRD	Diagnosis	UNDERLYING DISEASE	piperacillin-tazobactam	amoxiclav	cephalo sporins	imipenem	mereponem	Teico planin	tigecycline	cefoperazone sulbactam	colistin	Anti fungal	Outcome
853	870529	coronary artery disease	CARDIOVASCULAR DISEASE	N	N	Y	N	N	Y	N	N	N	N	DISCHARGED
854	869632	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	Y	N	N	N	N	Y	N	N	N	N	DISCHARGED
855	436827	pneumonia	RESPIRATORY TRACT DISEASE	N	N	Y	N	N	N	N	N	N	Y	DISCHARGED
856	866637	Acute febrile illness	TROPICAL FEVER	N	N	Y	N	Y	Y	Y	N	Y	N	DISCHARGED
857	870517	Acute cholecystitis	GASTROINTESTINAL TRACT DISEASE	Y	N	N	Y	N	N	N	N	N	N	DISCHARGED
858	187738	DM/HTN/HYPOTHROIDISM/SEPTIC SHOCK	Miscellaneous	N	N	Y	Y	N	N	N	N	N	N	DEATH
859	873252	Surgical Procedures	GASTROINTESTINAL TRACT DISEASE	Y	N	Y	N	N	N	N	N	N	N	DISCHARGED
860	661596	pneumonia	RESPIRATORY TRACT DISEASE	N	Y	N	Y	N	N	N	N	N	Y	DISCHARGED
861	863621	AML,AKI	ONCOLOGICAL DISEASE	N	Y	Y	N	N	N	Y	N	N	N	DISCHARGED
862	874224	chronic obstructive pulmonary disease	RESPIRATORY TRACT DISEASE	N	Y	N	N	N	N	N	N	N	N	DISCHARGED

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The Principal,
DMC, Ludhiana.

Subject: **Approval of Plan of Thesis.**

This is to inform you that the Faculty of Medical Sciences in its meeting held on 29.05.2019 has approved the plan of thesis of **Tanureet Kaur Sandhar**, a student of your college for **MD Microbiology** along with the names of Supervisor/Co-Supervisor as under:-

Topic Plan of Thesis

Evaluation of (1-3)-β-D glucan for diagnosis of invasive fungal infections

Supervisor
Dr. Deepinder K. Chhina
Prof. & Head,
Dept. of Microbiology,
DMCH, Ludhiana.

Co-Supervisor
Dr. Veenu Gupta
Prof.,
Dept. of Microbiology,
DMCH, Ludhiana.

The student has to submit the four copies of thesis (along with PDF format) , to the Controller of Examinations, BFUHS, Faridkot, at least six months before the commencement of theory examination, if he/she is otherwise eligible to take the examination. He /She must directed to attach a photocopy of this letter with the forwarding letter while submitting thesis to the University along with the letter of approval of University for change of supervisor/Co-Supervisor, change of topic,(if any).

S P Singh

Dr. S P Singh MS(Oph)
Controller of Examinations

Note :

1. *If any discrepancy found regarding topic of thesis or Supervisor/Co-Supervisor, inform undersigned within one month after issue of this letter.*
2. *The student may submit the thesis as per the schedule already conveyed i.e for May/June examination 30th Nov of the preceding the year of examination and for Nov/Dec examinations 31st May of the year of examination.*

EVALUATION OF (1-3)-β-D GLUCAN FOR DIAGNOSIS OF INVASIVE FUNGAL INFECTIONS

THESIS PROPOSAL

FOR APPROVAL OF SUBJECT OF THESIS TO BE SUBMITTED

IN PARTIAL FULFILMENT OF THE REQUIREMENTS

FOR THE DEGREE OF

Doctor of Medicine

in

MICROBIOLOGY

OF THE

BABA FARID UNIVERSITY OF HEALTH SCIENCES

FARIDKOT

November, 2018

Dr. Tanureet Kaur Sandhar

DEPARTMENT OF MICROBIOLOGY
DAYANAND MEDICAL COLLEGE & HOSPITAL, LUDHIANA
LUDHIANA, PUNJAB

ABSTRACT OF PLAN OF THESIS

Title	EVALUATION OF (1-3)-β-D GLUCAN FOR DIAGNOSIS OF INVASIVE FUNGAL INFECTIONS
For the degree of	M.D.Microbiology
Name of the candidate	Dr Tanureet Kaur Sandhar
Supervisor	Dr. Deepinder K. Chhina, Prof. and Head, Department of Microbiology, DMCH, Ludhiana
Co-supervisor	Dr. Veenu Gupta, Professor, Department of Microbiology, DMCH, Ludhiana
Institution	Dayanand Medical College and Hospital, Ludhiana
University	Baba Farid University of Health Sciences, Faridkot

Introduction:

Invasive fungal infections have recently emerged as an important cause of morbidity and mortality in patients admitted in hospital. Serum biomarkers offer advantage of early diagnosis and better clinical outcome of the patients. This prospective study will be conducted in the Department of Microbiology in the admitted patients with suspicion of invasive fungal infection.

Aim of Study:

1. To evaluate the role of (1-3)-β-D glucan assay in invasive fungal infections.
2. To correlate (1-3)-β-D glucan assay with other microbiological tests.

Materials & methods:

In this prospective study the data collected will be entered in a prestructured performa. All the blood samples received for (1-3)-β-D glucan assay will be processed as per the kit protocol.

Clinical Significance:

Early detection of fungal infections by the serum biomarkers will aid in early initiation of appropriate therapy and improvement in the overall clinical outcome of the patient.

Keywords:

Invasive fungal infection, (1-3)-β-D glucan, biomarkers of fungal infections.

(Signature)	(Signature)	(Signature)	(Signature)
Candidate	Co-supervisor	Supervisor	Principal

CERTIFICATE OF FACILITIES AVAILABLE

This is to certify that the facilities for work on the subject of thesis titled **"EVALUATION OF (1-3)-β-D GLUCAN FOR DIAGNOSIS OF INVASIVE FUNGAL INFECTIONS"** exist in the Department of Microbiology at Dayanand Medical College and Hospital, Ludhiana and will be provided to the candidate. We will see that the data being included in the thesis are genuine and is collected by the candidate herself under our supervision and guidance.

Supervisor

Dr. Deepinder K. Chhina
Professor and Head
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Co-Supervisor

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Place : Ludhiana

Date : 29.12.18

APPROVAL PROFORMA
BY
RESEARCH & ETHICAL COMMITTEE
DAYANAND MEDICAL COLLEGE & HOSPITAL, LUDHIANA

Name of candidate	Dr Tanureet Kaur Sandhar
Department	Microbiology
Topic of Thesis	Evaluation of (1-3)-β-D-Glucan for diagnosis of invasive fungal infections.
Likely date of appearing in PG examination	May 2021
Date of enrollment	9th May 2018
Name of Head of Department	Dr.Deepinder K. Chhina
1) Supervisor	Dr.Deepinder K. Chhina
2) Co-Supervisor	Dr. Veenu Gupta
Signature of Members of Research Committee with Stamp	**Signature of Members of Ethics Committee with Stamp**
1. HOD Pharmacology	1. HOD Physiology
2. HOD Surgery	2. HOD Pathology
3. HOD Pathology	3. HOD Pharmacology
4. HOD Medicine	4. HOD SPM
5. Dean Academics	5. HOD Medicine
6. Vice Principal	6. HOD Surgery
	7. HOD Obst. & Gynae
	8. Legal Expert
	9. Secretary, IEC
	10. Dean Academics
	11. Vice Principal
	12. Principal

Approved: Yes / No

Chairperson
Research Committee
Chairperson
Research Committee

Approved: Yes / ~~No~~

Chairperson
Ethics Committee
Chairperson
Ethics Committee

BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT

PROFORMA FOR REGISTRATION OF SUBJECT FOR DISSERTATION

1	NAME OF THE CANDIDATE AND ADDRESS	DR TANUREET KAUR SANDHAR V.RAJA KALAN P.O.GARHDIWALA;DISTT:HOSHIARPUR (144207)
2	NAME OF THE INSTITUTE	DAYANAND MEDICAL COLLEGE AND HOSPITAL, LUDHIANA.
3	COURSE OF STUDY AND SUBJECT	MD MICROBIOLOGY
4	DATE OF ADMISSION OF COURSE	09.05.2018
5	TITLE OF THE TOPIC	EVALUATION OF (1-3)-β-D GLUCAN FOR DIAGNOSIS OF INVASIVE FUNGAL INFECTIONS

6 BRIEF RESUME OF THE INTENDED WORK

6.1 NEED FOR THE STUDY

Infections are one of the major factor that determines the clinical outcome in critically ill patients, it is the major cause of morbidity and mortality in patients admitted in hospital. Causes of infection are multi-factorial and infections in patients are either community acquired or hospital and health care associated infections. Consequences depend on organisms associated, underlying morbidity, timeliness and appropriateness of the treatment/interventions received.

Major risk factors for invasive fungal infections(IFI) include neutropenia <500 neutrophils/ml for more than 10 days, prolonged (>4 wk) treatment with corticosteroids, prolonged (>7 days) stays in intensive care, chemotherapy, HIV infection, invasive medical procedures, hematological malignancies, bone marrow transplantation, and the newer immune suppressive agents. Other risk factors are malnutrition, solid organ transplantation, severe burns or prolonged stay in intensive care (>21 days), systemic corticosteroids for >7 days, and major surgery.[1,2]

Confirmation of fungal infection is when histopathological examination with special stains demonstrate tissue involvement or when the aetiologic agent is isolated from sterile clinical specimens by culture. Culture based methods are often insufficient for early diagnosis. Factors responsible for making culture based methods less reliable are: improper transport, prior use of antibiotics and a very small number of organisms. Clinical and radiological findings are non specific and inconclusive.

Timely detection and initiation of appropriate antifungal therapy is a critical component that helps to reduce overall mortality and morbidity. Serological methods offer the advantage of early diagnosis than culture based methods. Newer strategies for the diagnosis of IFI includes the use of noninvasive biomarkers such as galactomannan assay, and (1-3)-β-D glucan (BG) assay. Galactomannan is a heat stable heteropolysaccharide component of fungal cell wall of most of *Penicillium spp* and *Aspergillus spp*.

In recent years, BG assays have appeared as an useful non-invasive tests for diagnosis of IFI, especially in immunocompromised patients.Positive BG results have also been seen in certain gram negative bacteria,therefore bacterial infections can also lead to increased levels and thus false positive results.Therefore BG assay is considered as a generic marker rather than being a specific marker for IFI.

Fungal PCR is a rapid technology which offers results within few hours and can revolutonise the area of IFIs.Despite this its current role has not yet been studied extensively.

With the high mortality rate associated with IFI, methods for timely detection and diagnosis are necessary for appropriate and effective treatment. Use of modern imaging studies and detection of circulating fungal cell wall components and DNA in blood and other body fluids or in affected tissues may improve the laboratory diagnosis of invasive mycoses.

6.2 REVIEW OF LITERATURE

Fungal infections have been recognized as major problem in patients admitted to the hospital. These have become important cause of morbidity and mortality but if recognised and treated early can greatly improve the clinical outcome of the patient.

The invasive fungal infections have been divided broadly into three categories namely: proven, probable and possible fungal infections. Proven IFI is diagnosed with proof of IFD by demonstration of fungal elements in diseased tissue for most conditions. Probable IFD requires presence of a host factor, clinical criterion and mycological criterion. Cases that meet the criteria for a host factor and a clinical criterion but mycological criteria is absent are considered possible IFI. BG has been considered as an important markers in diagnosis of IFI according to EORTC (European organization for research and treatment of cancer).However this marker cannot differentiate various fungi causing IFI.

A multicenter prospective study comparing 170 patients without signs of invasive fungal infection and 163 patients with proven (142 patients) or probable (21 patients) invasive fungal infection found a 64.4% sensitivity, 92.4% specificity, 89% positive predictive value, and 73% negative predictive value of BG assay.[3]

Most common agents responsible for invasive fungal infections are many medically important fungi, such as *Candida spp, Aspergillus spp,Fusarium spp, Pneumocystis jiroveci, Coccidioides immitis , Histoplasma capsulatum,* and *Blastomyces dermatidis.*[4]

(1-3)-β-D-glucan(BG) assay detects an important component of cell wall of many fungi. Multiple studies have shown BG assay to be a beneficial adjunct

in the detection of some fungal infections. A study of 456 autopsy cases, to include examination of premortem test results, found that blood culture testing detected fungal infections with a sensitivity of 8.3%, whereas BG assay had a sensitivity of 78.0% and a specificity of 98.4% using the 80 pg/mL positivity cutoff, with an 86.7% positive predictive value and a 97.1% negative predictive value.[5]

Fungitell (formerly called Glucatell) is a US Food and Drug Administration–approved quantitative assay used to aid in the detection of invasive fungal infections. The fungal cell wall, necessary for the survival of many fungal organisms, is a dynamic structure that continually undergoes remodeling during the life of the organism.[6] This exoskeletal structure is composed primarily of chitin, glucan,mannan, and glycoproteins of which glucan is an important component used in fungitell assay.[7]

The basis of the Fungitell assay relies on BG's ability to activate the limulus amebocyte lysate clotting cascade present in the blood of Limulus polyphemus, the North American horseshoe crab.[8]

The resultant clotting can be measured via spectrophotometry yielding an indirect BG concentration in picograms per millimeter (pg/mL). A study conducted by Bansal et al in a tertiary care hospital of south India, concluded that cut off value of 80 pg/ml is related to more false positive results and suggested that a higher cut off of 144 pg/ml might be more specific for diagnosis of invasive fungal infections.[9]

Several pathogenic fungi are inherently undetectable via BG assay because of the very low levels of BG they produce, such as *Cryptococcus spp* and the yeast phase of *Blastomyces dermatitidis*[8] as well as the Zygomycetes (*Lichtheimia, corymbifera, Mucor spp, Rhizopus spp*) which do not produce BG.

The following sample conditions can interfere with an accurate Fungitell assay result: Hemolysis, sample turbidity caused by lipemia, the presence of visually apparent bilirubin, turbid serum, elevated levels of Immunoglobulin G, such as may exist in the serum due to multiple melanoma, may result in precipitation in the reaction mixture upon the addition of Fungitell to the pre-treated serum.[10]

A prospective study compared BG results among 36 healthy blood donors versus 15 candidemic and 25 bacteremic patients, finding a 93.3% sensitivity, 77.2% specificity, 51.9% positive predictive value, and 97.8% negative predictive value.[11]

Although there is statistical heterogeneity among the studies, a meta-analysis by Karageorgopoulos et al of 2979 patients in 16 studies found a sensitivity of 76.8% [12]

An important value of BG testing is its potential in prediction of fungal infections, with positivity appearing sometimes days before the clinical diagnosis is made. A prospective study examined serial BG testing in 283 patients with acute myeloid leukemia or myelodysplastic syndrome on antifungal prophylaxis, Serial BG testing from these patients showed that BG became positive a median of 10 days before the clinical diagnosis of proven or probable invasive fungal infection was made, and the usual trend was that BG levels continued to rise after the initial positive result.[13]

Blood culture is considered to be the gold standard for diagnosis of invasive fungal diseases but because of the more time taken for the culture to be positive (2-4 days) various methods for timely detection are required.BG assay can be of great help as the time taken is minimal as compared to culture. Another study looked specifically at blood culture–negative, intraabdominal candidiasis in patients in surgical intensive care units; BG

testing was superior to Candida score and colonization index, and BG became positive a median of 5 days prior to culture-based diagnosis of intra-abdominal candidiasis.[14]

Galactomannan assay is an immunoenzymatic sandwich microplate assay which detects galactomannan in human serum. It uses rat EBA-2 monoclonal antibodies. Galactomannan is a polysaccharide component released by the growing hyphae. Persat et al. reported that for overall IFI, the BG assay had 77.8% sensitivity and 92.5% specificity.[15]

Results of multiple studies have indicated that BG levels are useful for diagnosis of invasive fungal infections, are helpful in monitoring patient's response to treatment. It has been seen that persistently high levels of (1, 3)-β-D glucan have been associated with worse outcome than when levels decreased with treatment.

6.3 AIMS AND OBJECTIVES OF THE STUDY

1. To evaluate the role of (1-3)-β-D Glucan assay in invasive fungal infections.
2. To correlate (1-3)-β-D Glucan assay with other microbiological tests.

7. MATERIALS AND METHODS

7.1 SOURCE OF DATA

The present study will be a prospective study conducted over a period of one year in the Department of Microbiology, Dayanand Medical College and Hospital, Ludhiana.

All patients with requisition of (1-3)-β-D- Glucan received from admitted patients with suspicion of invasive fungal disease in Dayanand Medical College and Hospital, Ludhiana will be included.

7.2 METHODS OF COLLECTION OF DATA

Data collected will be entered in a pre structured proforma which will include patient's details: Name, age, gender, MRD number, Lab ID No., date of admission, provisional clinical diagnosis, risk factors, treatment history sample, hemogram, microbiological evaluation {(1-3)-β-D- Glucan, galactomannan, fungal smear/ culture, blood culture} ,outcome.

Sample collection:

- **Blood:** Using all aseptic techniques 5 ml blood will be collected for (1-3)-β-D-glucan and galactomannan assay and for blood culture 5-10 ml blood will be inoculated in blood culture bottles.
- **Body fluids:** Sample will be collected in a sterile container under all aseptic precautions and processed as per standard protocol.
- .**Respiratory samples:**

-Bronchoalveolar Lavage (BAL): Sample will be collected in a sterile container using flexible fiberoptic bronchoscope

-Endotracheal (ET) secretions: Sample will be collected in a sterile container using 22-inch Ramson's 12 f suction catheter with a mucus extractor.

-Sputum: Sample will be collected in a sterile container under all aseptic precautions.

- **Biopsy specimen**: Sample collected in a sterile container and processed as per standard protocol.

Sample processing

Serology test

- (1-3)-β-D Glucan Assay

The assay is based upon a modification of the *Limulus* Amebocyte Lysate (LAL) pathway.[16] This kinetic assay is based upon the determination of the rate of optical density increase produced by a sample. This rate will be interpreted against a standard curve to produce estimate of (1-3)-β-D-glucan concentration in the sample. The test results are expressed in picogram/ml.[17,18]

Interpretation:

NEGATIVE RESULT

(1-3)-β-D-glucan values <60 pg/mL are interpreted as negative results.

INDETERMINATE RESULT

Values from 60 to 79 pg/mL suggest a possible fungal infection.

POSITIVE RESULT

Values ≥ 80 pg/mL are interpreted as positive.

Galactomannan assay: Immunoenzymatic sandwich microplate assay which detects galactomannan in human serum. Uses rat EBA-2 monoclonal antibodies.

Interpretation:

NEGATIVE RESULT: Serum with index <0.50

POSITIVE RESULT: Serum with index ≥0.50

Mycological evaluation

- **Direct examination (Fungal smear):** A drop of 10-20% KOH will be put on the center of the clean glass slide. Then the specimen will be placed in the KOH drop and mixed gently by inoculating loop. A cover slip will be placed over the specimen. The slide will be observed under high power objective.
- **Fungal culture:**

  Specimen will be inoculated on Sabouraud's dextrose agar(SDA) with and without cycloheximide and incubated at 25°C and 37°C .
- **Lactophenol cotton blue preparation (LCB):** Growth of fungal culture obtained will be identified based on colony morphology,growth rate, pigment production ,Obverse and reverse examination and microscopic examination of the growth obtained on LCB preparation.

INCLUSION CRITERIA

- Patients more than 18 years admitted in ICUs and wards.

DURATION OF STUDY/NUMBER OF CASES

Prospective study for one year

STATISTICAL ANALYSIS

Data will be described in terms of range; mean ±standard deviation (± SD), median, frequencies (number of cases) and relative frequencies (percentages) as appropriate. Sensitivity, specificity, positive and negative predictive values and accuracy of method and its confidence interval (95% CI) will also be calculated. A probability value (*p* value) less than 0.05 will be considered statistically significant. All statistical calculations will be done using SPSS (Statistical Package for the Social Science) SPSS 21 version statistical program for Microsoft Windows.

7.3 DOES THE STUDY REQUIRE ANY INVESTIGATIONS OR INTERVENTIONS TO BE CONDUCTED ON PATIENTS OR OTHER HUMANS OR ANIMALS? IF SO, PLEASE DESCRIBE BRIEFLY.

No

7.4 HAS ETHICAL CLEARENCE BEEN OBTAINED FROM YOUR INSTITUTION IN CASE OF 7.3?

Attached along with

8. LIST OF REFERENCES

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PROFORMA

Name:

Lab No:

Age/Sex:

Date of admission:

MRD No:

Ward:

Admission No:

Date of receiving sample:

Clinical Diagnosis:

Sample:

Provisional Diagnosis:

Chief complaints:

Risk factors:

Treatment history:

Investigations:

Hb

TLC

DLC

Microbiological evaluation:

Signature of Candidate

Signature of Supervisor

- (1-3)-β-D glucan assay:

  Variables affecting BG assay:

- Galactomannan assay:

- Fungal smear/Culture:

- Blood culture:

Final Report:

Outcome:

Signature of Candidate

Signature of Supervisor